

Circulars file

- 13 -

**CIRCULAR NO.SU/B.Com/CBC & GS/65/2018**

It is hereby informed to all concerned that, the syllabi prepared by the Board of Studies & recommended by the Dean, Faculty of Commerce & Management the **Academic Council at its meeting held on 30 June & 02 July 2018 has accepted the syllabus of Choice Based Credits & Grading System for Bachelor of Commerce First Semester** under the Faculty of Commerce & Management as enclosed herewith.

This is effective from the Academic Year 2018-2019 and onwards.

All concerned are requested to note the contents of this circular and bring the notice to the students, teachers and staff for their information and necessary action.

University Campus,  
Aurangabad-431 004.  
REF.NO.SU/2018/  
Date:- 17-07-2018.

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**Deputy Registrar,  
Syllabus Section**

**Copy forwarded with compliments to :-**

- 1] **The Principals, affiliated concerned Colleges, Dr. Babasaheb Ambedkar Marathwada University.**
- 2] **The Director, University Network & Information Centre, UNIC, with a request to upload this Circular on University Website.**

**Copy to :-**

- 1] The Director, Board of Examinations & Evaluation,
- 2] **The Section Officer, [ B.Com.Unit ] Examination Branch,**
- 3] The Section officer, [Eligibility Unit],
- 4] **The Programmer [Computer Unit-1] Examinations,**
- 5] **The Programmer [Computer Unit-2] Examinations,**
- 6] The In-charge, [E-Suvidha Kendra],
- 7] The Public Relation Officer,
- 8] The Record Keeper,

- 25 -

**D.R. BABASAHEB AMBEDKAR  
MARATHWADA UNIVERSITY,  
AURANGABAD.**



**Curriculum of B.COM.IST YEAR**

**under Choice Based Credit & Grading System**

**SEMESTER FIRST**

*[ Effective from the Academic Year 2018-19 & onwards ]*



**DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,  
AURANGABAD**

**FACULTY OF COMMERCE**

**Syllabus - Bachelor of Commerce**

**Choice Based Credit System (CBCS) - 2018-2019**

<b>Semester &amp; Credits</b>	<b>Core Course [04]</b>	<b>Ability Enhancement Compulsory Courses [AECC] [02]</b>	<b>Discipline Specific Elective [DSE] [01]</b>
<b>I Credit 28</b>	1. Financial Accounting – I 2. Business Mathematics & Statistics 3. Business & Industrial Economics 4. Computer Application in Business - I	1. English 2. Second Language	Elective Paper [Any One] 1. Entrepreneurship Development-I 2. Office Management
<b>Total Credits =28</b>	<b>No. of Credits : 16</b>	<b>No. of Credits : 08</b>	<b>No. of Credits : 04</b>



**FIRST SEMSTER**

Paper Number	Subject/ Title of the Paper	Course	Weekly		Credits		IA	UA	Total Marks	Duration of Theory Exam
			Th	Pr	Th	Pr				
I	Financial Accounting – I	Core Course	4	-	4	-	20	80	100	3 Hrs
II	Business Mathematics & Statistics	Core Course	4	-	4	-	20	80	100	3 Hrs
III	Business & Industrial Economics	Core Course	4	-	4	-	20	80	100	3 Hrs
IV	Computer Application in Business – I	Core Course	2	2	2	2	50	50	100	3 Hrs
V	English	Ability Enhancement	4	-	4	-	20	80	100	3 Hrs
VI	Second Language	Compulsory Courses	4	-	4	-	20	80	100	3 Hrs
VII	1. Entrepreneurship Development – I 2. Office Management	Discipline Specific Elective [Any One]	4	-	4	-	20	80	100	3 Hrs
	<b>Total</b>		<b>26</b>	<b>2</b>	<b>26 + 2 = 28</b>		<b>170</b>	<b>530</b>	<b>700</b>	<b>--</b>

**CBCS Pattern Syllabus w.e.f. June 2018 Onwards**  
**Faculty of Commerce**  
**B.Com. First Year (First Semester)**  
**Financial Accounting-I**

**Theory-80**  
**Practical/Sessional -20**

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**Objectives:** The course aims at acquainting the students with the emerging issues in business, Trade and commerce regarding recording, maintaining and presenting the accounting and financial facts.

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**Unit I: Book-Keeping and Accountancy: - (Theory)**  
 Meaning, Definitions, Concepts, Objectives, Need, Scope, Classification, and Rules of Accounts, Accounting Cycle, Journal, Ledger, Balancing of Account.

**Unit II: Depreciation: - (Numerical)**  
 Annuity and Sinking fund Method

**Unit III: Final Account of Sole Trader: - (Numerical)**  
 Meaning and Importance, Preparation of Manufacturing Account, Trading Account, Profit and Loss Account and balance sheet, Adjustment.

**Unit IV: Hire purchase System & Installment Method:- (Theory on Hire Purchase & Numerical on Installment Method)**  
 Meaning, Calculations of Interest, Accounting for hire purchase transactions by Asset purchase method based on full cash price, Journal Entries, Ledger Accounts and Discloser in Balance sheet for hire and vendor.

**Unit V: Royalty Accounts: - (Numerical)**  
 Royalty, Minimum Rent, Short Workings, Recoupment of Short Working, Lapse of Short Working. Journal Entries and Ledger Accounts in the Books of Landlord and Lessee.

**Suggested Readings:**

1. Advanced Accounting- M.C.Shukla. & S.P. Grewal (S. Chand & Co. Ltd.New Delhi.)
2. Advanced Accounting- S.M.Shukla. ( Sahityabhavan, Agra.)
3. Accountancy- Mahurkar & Deshpande.
4. New Approach to Accountancy-H.R. Kotalwar.
5. Financial Accounting –S.N. Maheshwari & S. K. Maheshwari (Vikas Publication House Pvt.Ltd.)

**Journals:**

- 1- The Chartered Accountant- Journals of the Institute of Chartered Accountant of India.
- 2-The Accounting World- ICAI Hyderabad.

**CBCS Pattern Syllabus w.e.f. June 2018 Onwards**  
**Faculty of Commerce**  
**B.Com. F.Y. (First Semester)**  
**Business Mathematics and Statistics-I**

**Theory-80**

**Practical/ Sessional -20**

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**Objectives:** The Objective of this paper is to impart knowledge to students in order to improve their Logical Reasoning, Ability and Interpretation, Application of various statistical and Mathematical Tools and Techniques in making logical and scientific decisions in Business Operations.

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**Unit I: Introduction to Statistics: - (Theory)**  
 Meaning, Definition, Importance and Limitations of Statistics, Primary and Secondary Data, Methods of collecting primary data, sources of secondary data. Difference between Primary and Secondary data. Ways of collection of data:  
 a) Complete enumeration b) Sample Method, seriation and Tabulation of statistical data.

**Unit II: Measures of Central Tendency: - (Numerical)**  
 Introduction, definition, types of averages Mean, Median, and Mode: Computation of above Measures in Discrete series, continuous series, and cumulative Frequency. Distribution. (Less than and More than). Merits and Demerits of Mean, Median and Mode.

**Unit III: Measures of Dispersion & Skewness: - (Numerical)**  
 Introduction, Definition, Objectives of Measuring Dispersion. Mean Deviation and its coefficient: Standard deviation, its coefficient with its Co- variance.  
**Skewness** :-Introduction, Definition, Objectives of Skewness, Measures of Skewness: Karl Pearson's Co-efficient of skewness.

**Unit IV: Determinants: - (Numerical)**  
 Definition, Cramer's Rule Determinant of second order, Determinant of Third Order. Properties of Determinants. Computation of Area of Triangle with the help of determinant. SARRU'S Rule for evaluating the determinant.

**Unit V: Matrices: - (Numerical)**  
 Meaning, Definition and types of Matrices. Operations of Matrices: Addition and subtraction; properties of addition and subtractions.

**Suggested Readings:**

- 1) Statistics: S.P. Gupta (Sultan Chand & Sons New Delhi)
- 2) Fundamental of Statistics: D. N. Elhance (Kitab Mahal Allahbad)
- 3) Practical Problems in Statistics: Y.R. Mahajan
- 4) Statistics: Sancheti and Kapoor
- 5) Elementary Statistical Methods: Dr. S.P. Gupta, Sultan Chand & Sons.
- 6) Fundamentals of Statistics: D.N. Elhance, Kitab Mahal.
- 7) Statistics (Theory, Methods & Application): Dr. D.C. Sancheti, V.K. Kapoor, Sultan Chand & sons



**CBCS Pattern Syllabus w.e.f. June 2018 Onwards**  
**Faculty of Commerce**  
**B.Com. F.Y. (First Semester)**  
**Business and Industrial Economics**

**Theory-80**  
**Practical/ Sessional -20**

**Objectives:** This course is meant to acquaint the students with the principles of Business economics as are applicable in business.

**Unit I: Introduction to Business Economics:-**  
 Meaning, Definition, Nature, Characteristics, Significance and Scope of Business Economics, Objectives of Business Firm.

**Unit II: Theory of Consumer Behaviour:-**  
 The indifference curve approach, meaning, definition, assumptions and properties of indifference curve, consumers equilibrium.

**Unit III: Elasticity of Demand:-**  
 Concept, measurement and determinants of elasticity of demand, Price elasticity, income elasticity and cross elasticity, Average Revenue, marginal Revenue, importance of Elasticity of demand, Demand forecasting Methods.

**Unit IV: Market Structures:-**  
 Market Structures and Business decisions, objectives of a business firm, Perfect Competition: Meaning, concept and features, Monopoly Meaning, concept and features. Securities Exchange Board of India (SEBI), Foreign Exchange Management Act (FEMA)

**Unit V: Factor Pricing:-**  
 Marginal productivity theory and demand for factors, nature of supply of factor inputs, determination of wage rate under perfect competition and monopoly, interest concept, theories of interest.

**Suggested Readings:**

1. Ahuja H.L. Business Economics : (S.Chand and Co. New Delhi.)
2. Koustsoyianni : A Modern Micro Economics : (Macmillan New Delhi)
- 3.D.M.Mithani, G. K.Murthy : Fundamentals of Business Economics, (Himalaya Publishing House Mumbai)
4. R. Kaweri and Others: Managerial Economics. (S.chand and Co.New Delhi.)
5. G.N. Zambre : Business Economics : (Primplapure Publishers Nagpur.)
6. Nellis and Parker : The Essence of Business Economics, (Prentice Hall, New Delhi.)
7. Stigler G. The Theory of Price. (Prentice Hall New Delhi.)
8. V.G. Mankar : Business Economics,( Himalaya Publishing House, Mumbai.)

**CBCS Pattern Syllabus w.e.f. June 2018 Onwards**

**Faculty of Commerce**

**B.Com. F.Y. (First Semester)**

**Computer Application in Business-I**

**Theory - 50**

**Practical/ Sessional - 50**

**Objectives:** To provide computer skills and knowledge for commerce students and to enhance the Students understand of usefulness of information technology tools for business operations.

**Unit I: Computer Codes and Languages:**  
Source Code, Machine/Binary Code, Mnemonic Opcode, Byte/Object Code, BCD, EBCDIC, ASCII, Language Translator-Interpreter & Compiler, High Level, Low Level, Assembly language, Different Number Systems, Binary, Octal, Hexadecimal, Decimal, Conversion from one base to another base.

**Unit II: Word Processing:-**  
Introduction to word Processing, Word processing concepts, Use of Templates, Working with word document: Editing text, Find and replace text, Formatting, spell check, Autocorrect, Auto text; Bullets and numbering, Tabs, Paragraph Formatting, Indent, Page Formatting, Header and footer, Tables: Inserting, filling and formatting a table; Inserting Pictures and Video; Mail Merge: including linking with Database; Printing documents Creating Business Documents using the above facilities.

**Unit III: Preparing Presentations:-**  
Basics of presentations: Slides, Fonts, Drawing, Editing; Inserting: Tables, Images, texts, Symbols, Media; Design; Transition; Animation; and Slideshow. Creating Business Presentations using above facilities.

**Unit IV: Spreadsheet and its Business Applications:**  
Spreadsheet concepts, Managing worksheets; Formatting, Entering data, Editing, and Printing a worksheet; Handling operators in formula, Project involving multiple spreadsheets, Organizing Charts and graphs Generally used Spreadsheet functions: Mathematical, Statistical, Financial, Logical, Date and Time, Lookup and reference, Database, and Text functions.

**Unit V: Creating Business Spreadsheet:**  
Creating spreadsheet in the area of: Loan and Lease statement; Ratio Analysis; Payroll statements; Capital Budgeting; Depreciation Accounting; Graphical representation of data; Frequency distribution and its statistical parameters; Correlation and Regression.

**Note:** The General Purpose Software referred in this course will be notified by the University Departments every three years. If the specific features, referred in the detailed course above, is not available in that software, to that extent it will be deemed to have been modified.

**Suggested Readings:**

1. Chetan Srivastav “ Information Technology”.
2. Fundamentals of C, Dr. Prasad Madan, Dr. Gajanan Chaudhri, Chinmay Publication, Aurangabad.
2. O’ Brien J. “Management Information System”, Tata McGraw Hills, New Delhi.
3. P.K.Taxali, “PC Software made simple”, Tata McGraw Hills, New Delhi.
4. V.Rajaraman, “Fundamentals of Computer”, Prentice Hall of India, New Delhi.
5. Sanders D.H. “Computers Today”, Tata McGraw Hill.

**CBCS Pattern Syllabus w.e.f. June 2018 Onwards**  
**Faculty of Commerce**  
**B.Com. F.Y. (First Semester)**  
**(Elective Paper)**  
**Entrepreneurship Development - I**

**Theory-80**  
**Practical/Sessional -20**

<b>Unit I:</b>	<b>Entrepreneur:</b> Concept of Entrepreneur Definition, Characteristics, Functions, Entrepreneurs and Intrapreneur. Role of an Entrepreneur in Economic Development.
<b>Unit II:</b>	<b>Entrepreneurship:</b> Concept, Meaning, Definition, Characteristics, Importance of Entrepreneurship, Challenges, Issues & Barriers of Entrepreneurship.
<b>Unit III:</b>	<b>The Dynamic New Trends of Entrepreneurship:</b> Startup Accelerators, Student Sandbox and Business Labs, Crowd Funding, Venture Capital, Co-Working Spaces, Boot Camps, Online Entrepreneurship Degree.
<b>Unit IV:</b>	<b>Evolution of Entrepreneurship in 21<sup>st</sup> Century:</b> Essential of 21 <sup>st</sup> Century Entrepreneurship, Importance of Entrepreneurship in 21 <sup>st</sup> Century. Start-up Schemes, Start-up India, Stand up India, Pradhan Mantri Kaushal Vikas Yojana, Skill India.
<b>Unit V</b>	<b>Project Identification:</b> Meaning, Definition, Classification, Project Life, Project Formulation & Feasibility, Information Centers in India.

**Suggested Readings:**

1. Entrepreneurship Development: S.S Khanka, Sultan Chand & Co. Ltd.
2. Fundamentals of Entrepreneurship: G.S. Sudha, Ramesh Book Depot.
3. Entrepreneurship Development: E. Gordon & K. Natarajan, Himalaya Publishing House.
3. Entrepreneurship Development: Colombo Plan Staff College for Technician Education, Manila, TaTa McGraw Hill
4. Small Scale Industries and Entrepreneurship: Vasant Desai, Himalaya Publishing House.
5. Project Planning & Control: N. P. Agarwal & Dr. B. K. Mishra, Indus Valley Publications, New Delhi.



**CBCS Pattern Syllabus w.e.f. June 2018 Onwards**  
**Faculty of Commerce**  
**B.Com. F.Y. (First Semester)**  
**(Elective Paper)**  
**Office Management**

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**Theory-80**

**Practical/Sessional -20**

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**Objective:** The purpose of this course is to familiarize the students with the activities in a modern office. Smooth functioning of any organization depends upon the way various activities are organized, facilities provided to the staff working in the office, the working environment and the tools and equipment used in office.

**Unit I: Office and Office Management:-**

Meaning of office- Primary and Administrative Management Functions, Importance of Office, Duties of the Office Manager, Qualities and Essential Qualifications.

**Filing and Indexing:** Meaning and Importance, essentials of good filing, centralized vs. decentralized filing, system of classification, methods of filing and filing equipment, weeding of old records, meaning and need for indexing, various types of indexing.

**Unit II: Mail and Mailing Procedures:-**

Meaning and Importance of mail, Centralization of mail handling work, its advantages. Mailing through post, couriers, email, appending files with email. Inward and outward mail- receiving, sorting, opening, recording, making distributing folding of letters sent, dispatching, courier services, central receipt and dispatch.

**Forms and Stationery:** Office Forms- introduction, meaning, importance of forms, advantages of using forms, disadvantages of using forms, type of forms, factors affecting forms design, principles of form design, form control. Stationery- introduction, types of stationery used in offices, importance of managing stationery, selection of stationery, essential requirements for a good system of dealing with stationery, purchasing principles, purchase procedure, standardization of stationery.

**Unit III: Modern Office Equipment:-**

Introduction, Meaning and Importance of Office Automation, Objectives of Office Mechanization, advantages & disadvantages, factors determining office mechanization. Kinds of office machines.

**Budget:** Budget- Annual, Revised and Estimated. Recurring and non- recurring heads of expenditure, **Audit:** Audit process- Vouching, Verification and Valuation (in brief). Consumables/ Stock register and Asset register. Procedure for disposal of records and assets.



**Unit IV:**      **Banking facilities:** Types of accounts. Passbook and Cheque book. Other forms used in Banks. ATM and money transfer. NEFT/RTGS, Net Banking, BHIM Apps.  
**Abbreviations/Terms used in Offices:** Explanation of abbreviations/terms used in offices in day-today work.

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**Suggested Reading:**

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1. Office Management: R. S. N. Pillai & Bhagvati, S. Chand Publication
2. Office Organisation & Management: M. E. Tukaram Rao
3. Bhatia, R.C. Principles of office Management, Lotus press, New Delhi.
4. Terry, George R: office Management and Control.



Circular file

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**DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY****CIRCULAR NO.SU/Commerce & Management/ III Sem./50/2019**

It is hereby inform to all concerned that, on the recommendation of the Dean, Faculty of Commerce & Management, the Hon'ble Vice-Chancellor in his emergency powers under Section-12(7) of the Maharashtra Public Universities Act, 2016 has accepted the syllabi of **B.Com., BBA & BCA III Sem.** under Choice Based Credit and Grading System on behalf of the Academic Council to be applied from the Academic Year 2019-2020 and onwards. The said syllabi are uploaded on bamu.ac.in at University website.

All concerned are requested to note the contents of this circular and bring notice to the students, teachers and staff for their information and necessary action.

University Campus,  
Aurangabad-431 004.  
REF.NO. SU/ COMMERCE/2018-19  
25445-844  
Date:- 31-05-2019.

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**Deputy Registrar,**  
**Syllabus Section.**

**Copy forwarded with compliments to :-**

- 1] **The Principals, affiliated concerned Colleges, Dr. Babasaheb Ambedkar Marathwada University.**
- 2] **The Director, University Network & Information Centre, UNIC, with a request to upload this Circular along with the said syllabi on University Website.**

**Copy to :-**

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- 3] **The Programmer [Computer Unit-1] Examinations,**
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- 5] The In-charge, [E-Suvidha Kendra], Rajarshi Shahu Maharaj Pariksha Bhavan, Dr. Babasaheb Ambekar Marathwada University.
- 6] The Public Relation Officer,
- 7] The Record Keeper.

**D R. BABASAHEB AMBEDKAR  
MARATHWADA UNIVERSITY,  
AURANGABAD.**



Curriculum of

Bachelor of Commerce

B.COM.IIND YEAR

THIRD SEMESTER

under Choice Based Credit & Grading System

[ *Effective from the Academic Year 2019-20 & onwards* ]

*[Handwritten signatures and dates]*  
17/6/19  
17/6/19  
17/6/19

**DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD.**

**Faculty of Commerce & Management**

**B.Com. Third Semester Structure ( 2019 – 20 )**

Paper Number	Subject/ Title of the Paper	Course	Weekly		Credits		IA	UA	Total Marks	Duration of Theory Exam
			Th	Pr	Th	Pr				
I	English	Compulsory Language	4	-	4	-	20	80	100	3 Hrs
II	Second Language	Second Language	4	-	4	-	20	80	100	3 Hrs
III	Corporate Account – I	Core Discipline	4	-	4	-	20	80	100	3 Hrs
IV	Cost Account – I	Core Discipline	4	-	4	-	20	80	100	3 Hrs
V	I.T. Application in Business – I	Core Discipline	2	2	2	2	50	50	100	2 Hrs
VI	GST Account – I	Ability Enhancement Compulsory	4	-	4	--	20	80	100	3 Hrs
VII	1. Banking or 2. Marketing Management or 3. Financial Management or 4. Indian Economy	Discipline Specific Elective [Any One]	4	-	4	-	20	80	100	3 Hrs
	<b>Total</b>		<b>26</b>	<b>-</b>	<b>26</b>	<b>-</b>	<b>140</b>	<b>560</b>	<b>700</b>	<b>--</b>



**B.Com III<sup>rd</sup> Semester Syllabus (CBCS)  
Corporate Accounting –I**

**Theory = 80  
Sessional = 20**

	<b>No. of Lectures</b>
<p><b>Unit-I : Issue and forfeiture of shares, Re-issue of forfeited shares</b>            Meaning of shares, Issue of shares-at par, at premium, at discount <b>(Theory)</b>, Collection of share money Collection at lump sum <b>(Theory)</b> .            Collection in Installment Issue of share in consideration of assets etc.            Procedure of Issue of shares, Prospectus, Application, Allotment, Pro-rata Allotment of shares, Forfeiture of shares, Reissue of shares, Profit on Re-issue, Journal Entries for Issue of shares, Balance sheet  <div style="text-align: right;"><b>(Numerical Problems)</b></div> </p>	<b>15</b>
<p><b>Unit-II : Redemption of Debentures</b>            Types of Debentures, Methods of Redemption- Redemption in Installment, Redemption in lamp sum, Redemption by conversion, Redemption by purchase in open market, Sinking Fund. – <b>(Theory)</b>            Finance for Redemption out of profit, out of fresh Issue Redemption in lump sum            Issue at “Par” Redeemable at “Par”            Issue at “Discount” Redeemable at “Par”            Issue at “Premium” Redeemable at “Par”<b>( Numerical Problems )</b>            Issue at “Par” Redeemable at “Premium”            Issue at “Discount” Redeemable at “premium” Sinking fund method  <b>(Numerical)</b></p>	<b>10</b>
<p><b>Unit-III: Redemption of Preference shares</b>            Types of Preference shares <b>(Theory)</b>            Redemption out of fresh Issue of shares            Redemption out of profits            Journal Entries for Redemption and Balance sheet after Redemption:  <b>(Numerical)</b></p>	<b>10</b>
<p><b>Unit-IV: Final Accounts of Joint stock company, Statement Form (Numerical)</b></p>	<b>15</b>
<p><b>Unit-V: Profit Prior to Incorporation ( Theory and Numerical )</b></p>	<b>10</b>

**Reference Books**

1. Maheshwari S.N. : Corporate Accounting
2. Shukla M.C.& Grewal T.S. : Advanced Accounts
3. Mahurkar & Deshpande : Accountancy – I
4. Kolalwar H.R. : New Approach to Accountancy
5. Jain & Narang : Advanced Accountancy

*[Signature]*  
17/6/19

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*[Signature]*  
 B.Com III<sup>rd</sup> Semester Syllabus (CBCS)

*[Signature]*  
17/6/2019

## Cost Accounting – I

**Theory – 80 Marks**  
**Sessional – 20 Marks**

		No. of Lectures
<b>Unit – I</b>	<b>Cost Accounting :</b> Meaning, Definition, Limitation, of financial Accounting, Development of Cost Accounting, Function, Objectives, Advantages, Disadvantages and limitations of cost accounting, Difference between Financial and Cost Accounting. <span style="float: right;">( Theory )</span>	( 10 )
<b>Unit – II</b>	<b>Elements of Cost :</b> Concept of Cost, Cost Units, Cost Centers, Cost Objects, Cost Drivers, Types of Cost, Classification of Cost – By Nature or Elements, By Function, By Variability, or Behaviour, By Controllability, By Normality, By Cost for Managerial Decision Making. <span style="float: right;">(Theory )</span>	( 08 )
<b>Unit – III</b>	<b>Material :</b> Concept, Objectives, Need, Essentials of Material Control, Purchase procedures, Function of purchase, department classification, and coding of material, fixation of levels of material, Economic Order Quantity, Material Handling Costs, Bin Cards, Stores Routines, Issue of Material, Issue Procedures, Methods of Pricing, Material Issue FIFO, LIFO, Simple Average, Weighted Average Method. <span style="float: right;">( Theory &amp; Numerical )</span>	( 14 )
<b>Unit – IV</b>	<b>Labour :</b> Meaning, Definition, Recent Trends in Time Booking, Labour Control, Methods of Wage Payment, Time and Piece Rate, Incentives Scheme – Taylor’s Differential Piece Rate System, Halsey Plan, Rowan Plan <span style="float: right;">( Theory &amp; Numerical )</span>	( 14 )
<b>Unit – V</b>	<b>Overheads :</b> Definition, Direct and Indirect Costs, Importance of Overheads, Allocation, Apportionment and Absorption of Overhead, Methods of Distribution, Primary – Secondary distribution, repeated method, Machine Hour Rate, Under and Over absorption of overheads <span style="float: right;">( Numerical )</span>	( 14 )
	<b>Sessional Work : 20 Marks</b>	
	1. One Test : 05 Marks	
	2. One Tutorial : 05 Marks	
	3. Students to collect proforma of Bin Card, Store Ledger, Time Card, Purchase Requisition, & Purchase Order. ( fill them ) : 10 Marks	

### Reference Books :

1. Practical Costing : Khanna, Pande and Ahuja
2. Cost Accounting : Bhatia HSM
3. Principles & Practices of Cost Accounting : N. K. Praasad
4. Cost Accounting ( Methods & Problems ) : B. K. Bhar

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12/6/19

  
17/6/19  
B.Com III<sup>rd</sup> Semester Syllabus (CBCS)

  
17/6/2019

**I.T. Application in Business – I**

**Theory = 50**  
**Practical U/A = 50**

		No. of Lectures
<b>Unit – I</b>	<b>C-LANGUAGE :</b> Introduction: Types of Languages – History of C language – Basic Structure – Creating – Compiling - Linking and Executing the C Program - Pre-processors in “C”. Token- Constants- Keywords & Identifiers– Variables- Data types- declaration and assignment of variables – defining symbolic constants	<b>( 10 )</b>
<b>Unit – II</b>	<b>OPERATORS, EXPRESSIONS AND DECISION MAKING :</b> Introduction to Operator, Type of Operator, Arithmetic, Relational and Logical Operators, Assignment, Increment and Decrement of Operators – Conditional, bitwise and Special Operator, arithmetic expression and its evaluation – hierarchy of arithmetic operations – evaluations.	<b>( 08 )</b>
<b>Unit – III</b>	<b>CONTROL BRANCHING AND DECISION-MAKING IN C -</b> Decision Making in C, Introduction, if Statement, if-else Statement, Nested if Statement, if else if Ladder, switch case, GOTO statement.	<b>( 14 )</b>
<b>Unit – IV</b>	<b>LOOP -</b> Loop Introduction in C, while loop, do while Loop, for Loop with variations, Nested Loops, Loop interruption statement - break and continue.	<b>( 14 )</b>
<b>Unit – V</b>	<b>ARRAYS AND STRINGS:-</b> Arrays : Introduction - Defining an array - Initializing an array - One dimensional array – Two dimensional array - Dynamic array. Strings: Introduction - Declaring and initializing string variables - Reading and Writing strings - String handling functions.	<b>( 14 )</b>

**Practical's U/A : 50 Marks**

- |                                       |   |          |
|---------------------------------------|---|----------|
| 1. One Test                           | : | 10 Marks |
| 2. Oral                               | : | 20 Marks |
| 3. Practical's Files at least minimum | : | 20 Marks |

**( 10 Programs in the file )****Reference Books :**

1. Programming in ANSCI C: Balaguruswamy, McGraw Hill.
2. Programming in C: Ashok Kamthane, Pearson.
3. The C Programming Language: B.W.Kernighan & D.M.Ritheie, PHI.
4. Let Us C: Y. Kanetkar, BPB.
5. Fundamental of C : Dr Prasad Madan, Dr. Gajanan Chaudhari, Miss Ujjwala Wagh, Chinmay Prakashan, Aurangabad

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*17/6/2019*  
**B.Com-III<sup>rd</sup> Semester Syllabus (CBCS)**  
**Goods and Services Tax Account ( GST ) – I**



GST ACCOUNT - ITheory – 80 Marks  
Sessional – 20 Marks

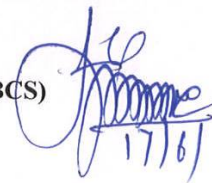
	No. of Lectures
<b>Unit – I Introduction, Overview and Evolution of GST:</b>	<b>10</b>
1.1 Indirect tax structure in India; Difference between Direct & Indirect Taxes;	
1.2 Introduction to Goods and Service Tax (GST) - Key Concepts	
1.3 Important definitions, Meaning of terms used in GST, GST Council	
1.4 Taxes under GST, Cess	
<b>Unit – II Registration under GST:</b>	<b>10</b>
2.1 Threshold for Registration	
2.2 Regular Tax Payer; Composition Tax Payer; Casual Taxable Person; Non-Resident Taxable Person	
2.3 Persons not liable for registration.	
2.4 Compulsory registration in certain cases.	
2.5 Procedure for registration.	
2.6 Unique Identification Number	
2.7 Registration Number Format	
<b>Unit – III Supply under GST and Valuation of Supply:</b>	<b>10</b>
3.1 Supply, Place of Supply, Intrastate & Interstate Supply,	
3.2 Levy and Collection of IGST, CGST, SGST/UTGST	
3.3 Time and Valuation of Supply	
<b>Unit – IV Input Tax Credit and Tax Payments under GST:</b>	<b>10</b>
4.1 Input tax credit process	
4.2 Negative List for Input tax credit	
4.3 Input Tax Credit Utilization and Input Tax Credit Reversal	
5.5 Payment of Tax, Interest and Penalties.	
<b>Unit – V Documents, Accounts &amp; Records, Returns under GST:</b>	<b>10</b>
5.1 Tax Invoice, Credit & Debit Notes.	
5.2 Accounts and other records to be maintained.	
5.3 Types of GST returns, particulars to be furnished, their due dates, late filing, late fee.	
5.4 Annual Return and Audit under GST.	
<b>Unit – VI Others:</b>	<b>10</b>
6.1 Overview of Schedule Entries and Tariffs under GST	
6.2 E-Way Bill Procedure.	
6.3 Accounting Entries (Journal entries, Ledger Posting) of GST Transactions.	
<b>Note : Practical's should be taken as per the requirement of the Units. College can take decision on their own.</b>	<b>60</b>

**Reference Books :**

1. Indirect Taxes : V. S. Datey – Taxman Publication
2. M Vat Subramanian Snow White Publication
3. Systematic Approach to Taxation – Dr. Girish Ahuja & Dr. Ravi Gupta



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B.Com III<sup>rd</sup> Semester Syllabus (CBCS)  
Banking ( Elective )



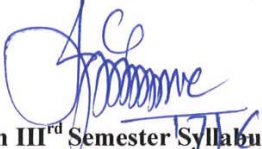



		<b>Theory – 80 Marks</b>	
		<b>Sessional – 20 Marks</b>	
			<b>No. of Lectures</b>
<b>Unit – I</b>	<b>AN OVERVIEW of BANKING INDUSTRY :</b> Definition of Banks. Evolution of Banking system in India. Banking reforms from 1991-2000. Bank crises in India. Critical evaluation of Banking Industry in India.		<b>12</b>
<b>Unit – II</b>	<b>COMMERCIAL BANKING :</b> Meaning and Definition of commercial Bank, Functions of Commercial Bank, Services offered by Commercial Bank. Retail Banking- Meaning, Features, Significance of Retail Banking and overview of its Products. Corporate Banking – Meaning, Features, significance of Corporate Banking and Overview of Its products. Nationalization, Privatization of Banks, Merger of Banks.		<b>14</b>
<b>Unit – III</b>	<b>RESERVE BANK of INDIA :</b> Objectives, Organization, Functions, Instruments of Credit control. Monetary policy of Reserve Bank of India and Role in Economic Development of the Country.		<b>10</b>
<b>Unit – IV</b>	<b>MODERN BANKING IN INDIA :</b> Meaning and importance of E Banking, Electronic payment System. Teller Machines- Branch Teller Machines (BTM) and Automated Teller Machines ( ATM ) Tele Banking, Internet Banking, Debit and Credit cards, Real Time Gross Settlement ( RTGS ) and National Electronic Funds Transfer System (NEFT), Electronic payment System.		<b>14</b>
<b>Unit – V</b>	<b>FINANCIAL INCLUSION :</b> Need and Extent, Features and Procedures of Pradhan Mantri Jan Dhan Yojana and <del>PM Mudra Yojana</del> , Features, Procedures and Significance of Stand Up India Scheme for Green Field. <b>Practical - 20 Marks</b> <b>( to be Conducted by the Department in each College as per Convenience )</b>		<b>10</b>

**Reference Books :**

1. Basu A.K. Fundamentals of Banking – Theory and Practice, A Mukherjee and co; Kolkata.
2. Shekhar and shekhar; Theory and Practice, Vikas Publiashing house New Delhi.
3. Sayers R.S. Modern Banking; Oxford University Press.
4. Reserve Bank of India; Functions and working of Reserve Bank of India Publications.
5. Vasant Desai; Banks and Institutional Management, Himalaya Publishing house Mumbai,
6. Kaptan S.S. and choubey N.S., E Indian Banking Era, Sarup and Sons, New Delhi.
7. Uppal and Jha Online Banking in India, Amol Publication Pvt. Ltd; New Delhi.

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**B.Com III<sup>rd</sup> Semester Syllabus (CBCS)**  
**Marketing Management ( Elective )**



Theory – 80 Marks  
Sessional – 20 Marks


		No. of Lectures
<b>Unit – I</b>	<b>Introduction to Marketing</b> : Definition, nature, scope and importance of marketing, traditional and modern concept of marketing, classification of markets, functions of marketing, Evolution of marketing,	12
<b>Unit – II</b>	<b>Strategic and Ethical Marketing</b> : Marketing strategy - definition & features, steps in strategic marketing planning process, SWOT analysis, Meaning and definition, scope, ethics in marketing, challenges facing marketers	12
<b>Unit – III</b>	<b>Marketing Mix and Channels of Distribution</b> : meaning and importance of marketing mix, elements of marketing mix – product mix, price mix, place and promotion mix. study of channels of distribution-and various, channels of distribution—factors to be considered in the selection of channels of distribution.	12
<b>Unit – IV</b>	<b>Marketing Management and Marketing Environment</b> : definition need & importance of marketing management, functions of marketing management, marketing environment - meaning of marketing environment, nature & scope of environment, micro & macro environment, emerging marketing opportunities in India, international marketing environment	12
<b>Unit – V</b>	<b>Agriculture Marketing</b> : Meaning, definition and scope, difference between agricultural product marketing and manufactured product marketing, factors affecting demand of agro products, importance of agriculture marketing <b>Practical - 20 Marks</b> <b>( to be Conducted by the Department in each College as per Convenience )</b>	12

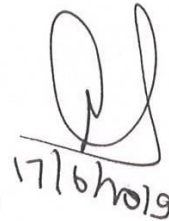
**Reference Books –**

- 1) Marketing Management - Philip Kotler
- 2) Marketing Management - Theodore Levitt
- 3) Marketing Management - S. A. Sherlekar
- 4) Marketing Management - E. N. Sontakki
- 5) Fundamentals of Marketing – Willam Stauton
- 6) Marketing : Planning, Implementation & Control - V. S. Ramaswami& S. Namakumari

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**B.Com III<sup>rd</sup> Semester Syllabus (CBCS)**  
**Financial Management ( Elective )**

  
17/6/2019

**Theory – 80 Marks**  
**Sessional – 20 Marks**

		No. of Lectures
<b>Unit – I</b>	<b>INTRODUCTION :</b> Meaning of Business Finance, Definition, Nature and Scope of Financial Management, Importance & Objectives of Financial Management, Finance Function – Approaches & Aims, Function of Finance Manager.	12
<b>Unit – II</b>	<b>COST OF CAPITAL AND CAPITAL STRUCTURE :</b> Meaning, Concept, Significance of Cost of Capital,, Determination of Cost of Capital – Equity, Preference & Debentures, Retained earnings, Capitalization. Meaning of Capital Structure, Patterns of Capital Structure, Importance, Factors determining Capital Structure, Optimal Capital Structure, Theories of Capital Structure (Net Income, Net Operating Income, MM Hypothesis, Traditional Approach)	12
<b>Unit – III</b>	<b>LEVERAGES :</b> Meaning of leverage, Types of leverages-Financial, Operating and Combined leverage, Significance and limitations of Financial leverage, Distinction between Financial and Operating leverage.	12
<b>Unit – IV</b>	<b>WORKING CAPITAL MANAGEMENT :</b> Concept of Working Capital Management, Significance of working capital, Excess v/s Inadequate Working Capital, Factor determining working capital Needs, Operating Cycle, Working Capital Management – Cash, Inventory, & Receivable Management, Estimation of Working Capital requirement.	12
<b>Unit – V</b>	<b>DIVIDEND POLICY &amp; DECISION MAKING :</b> Introduction, Significance, Factors of Determinants of Dividend Policy, Forms of Dividends, Types of Dividend Policies. <b>Sessional - 20 Marks</b> <b>( to be Conducted by the Department in each College as per Convenience )</b>	12

**Reference Books :**

1. Khan, M.Y & Jain, P.K.: Financial Management; Tata McGraw Hill, New Delhi,
2. Pandey, I. M.: Financial Management; Vikas Publishing House, New Delhi,
3. Chandra, Prasana: Financial Management; Tata McGraw Hill, New Delhi,
4. Brealey and Meyers: Principles of Corporate Finance: Tata McGraw Hill, New Delhi,
5. Vanhorne, James C: Financial Management and Policy; Prentice Hall of India, New Delhi,

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 B.Com III<sup>rd</sup> Semester Syllabus (CBCS)  
 Indian Economy ( Elective )

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17/6/19



**Theory – 80 Marks**  
**Sessional – 20 Marks**

		<b>No. of Lectures</b>
<b>Unit – I</b>	<b>Introduction to Indian Economy :</b> Concept and Characteristics of Indian Economy, Types of Economies, Importance of Agriculture, Industry and Service Sector in Indian Economy. Need and Impact of Economic Reforms in India since 1991, Characteristics of India's Population, Present status of India in HDI rank, Need and Significance of Infrastructure, Impact of Demonetization & GST on Indian Economy.	<b>12</b>
<b>Unit – II</b>	<b>National Income :</b> Meaning and features of National Income, Concepts and Methods of measurement, Difficulties and Trends in National Income, Green GDP, India's place in world economy.	<b>12</b>
<b>Unit – III</b>	<b>Poverty and Unemployment : Poverty:</b> Concept and meaning, Poverty line, Absolute and Relative Poverty, Causes, Effects and Measurement of poverty, measures to eradicate Poverty. <b>Unemployment:</b> Concept, Types, Causes, Effects and government measures to reduce unemployment, Skill Development Schemes in India, Make in India.	<b>12</b>
<b>Unit – IV</b>	<b>Planning in India :</b> Meaning, Characteristics and Objectives of planning, Targets and Achievements of Five Year Plans., 12 <sup>th</sup> Five Year Plan: Objectives, Achievements & Evaluation, NITI Aayog Nature Objectives and Functions.	<b>12</b>
<b>Unit – V</b>	<b>Budget :</b> Meaning, Features and Types of Budget, Structure of Budget- Revenue and Capital Budget, Concepts of Deficit, <del>Gender Budget</del> , FRBM Act 2003 with amendments, Recent Trends in Budget. <b>Practical - 20 Marks</b> <b>( to be Conducted by the Department in each College as per Convenience )</b>	<b>12</b>

**Reference Books –**

- 1) Indian Economy: Datt, Ruddar & K.P.M. Sundhram, S. Chand and Company, New Delhi.
- 2) Indian Economy: Misra S.K. & Puri V.K. (Edition, 2018) Himalaya Publication House, Mumbai.
- 3) Indian Economy: Ramesh Singh, (Edition, 2018) McGraw Hill Education (India) Private Ltd, Chennai.
- 4) General Studies Indian Economy: (Latest Edition) Pratiyogita Darpan, Agra
- 5) भारतीय अर्थव्यवस्था: देसाई आणि भालेराव, (आवृत्ती २०१७) , निराली प्रकाशन, पुणे.

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**DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY****CIRCULAR NO.SU/ COM.&MGT./C.B.C.& G.S./28/2021**

It is hereby informed to all concerned that, the syllabi of following courses prepared by the Board of Studies & recommended by the Dean, Faculty of Commerce & Management the **Academic Council at its meeting held on 15 February 2021 has decided that to adopt the Choice Based Credit and Grading System from the academic Year 2020-2021 Under the Faculty of Commerce & Management.**

Sr. No.	Name of the Course	Semester
1]	<b>B.Com.</b>	<b>VI</b>
2]	<b>BBA</b>	<b>VI</b>
3]	<b>BCA</b>	<b>VI</b>
4]	<b>B.Com. E-Commerce</b>	<b>IV</b>
5]	<b>MPM</b>	<b>IInd</b>

This is effective from the Academic Year 2020-2021 & onwards as appended herewith.

All concerned are requested to note the contents of this circular and bring the notice to the students, teachers and staff for their information and necessary action.

University Campus,  
Aurangabad-431 004.  
REF.NO. SU/ COM.MGT/2020-21  
29439 - 29789  
Date:- 17-03-2021.

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*Deputy Registrar,  
Academic Section  
Syllabus unit.*

**Copy forwarded with compliments to :-**

- 1] **The Principals, affiliated concerned Colleges, Dr. Babasaheb Ambedkar Marathwada University.**
- 2] The Director, University Network & Information Centre, UNIC, with **a request to upload this Circular on University Website.**

**Copy to :-**

- 1] The Director, Board of Examination & Evaluation,
- 2] **The Section Officer, [ Commerce Unit ] Examination Branch,**
- 3] The Section officer, [Eligibility Unit],
- 4] **The Programmer [Computer Unit-1] Examinations,**
- 5] **The Programmer [Computer Unit-2] Examinations,**
- 6] The In-charge, [E-Suvidha Kendra], Rajarshi Shahu Maharaj Pariksha Bhavan, Dr. Babasaheb Ambekar Marathwada University.
- 7] The Public Relation Officer,
- 8] The Record Keeper.

**D.R. BABASAHEB AMBEDKAR  
MARATHWADA UNIVERSITY,  
AURANGABAD.**



Curriculum of

Bachelor of Commerce

B.COM.IIIRD YEAR

SIX SEMESTER

under Choice Based Credit & Grading System

*[ Effective from the Academic Year 2020-21 & onwards ]*

*[ Handwritten signatures in blue ink ]*

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

B.com. Sixth Semester Structure ( 2020 – 2021 )

Faculty of Commerce & Management

Paper Number	Subject / Title of the Paper	Course	Weekly		Credits		IA	UA	Total Marks	Duration of Theory Exam
			Th	Pr	Th	Pr				
I	Advanced Financial Accounting – II	Core Discipline	4	-	4	-	20	80	100	3 Hrs
II	Management Accounting – II	Core Discipline	4	-	4	-	20	80	100	3 Hrs
III	Direct Tax	Core Discipline	4	-	4	-	20	80	100	3 Hrs
IV	Business Regulatory Framework – II	Core Discipline	4	-	4	-	20	80	100	3 Hrs
V	Computerized Accounting – II	Ability Enhancement	2 -	- 2	2 -	- 2	--	50 50	100	2 Hrs
VI	1. Capital Market 2. Project Management 3. Advertising Salesmanship	Discipline Specific Elective [Any One]	4	-	4	-	20	80	100	3 Hrs
<b>Total</b>			<b>22</b>	<b>02</b>	<b>22</b>	<b>02</b>	<b>100</b>	<b>500</b>	<b>600</b>	<b>--</b>

  
B.Com VI<sup>th</sup> Semester Syllabus (CBCS) 



**B.Com VI<sup>th</sup> Semester Syllabus (CBCS)  
Advanced Financial Accounting – II**

**Total Marks : 100**  
**Theory: 80**  
**IA / Sessional: 20**  
**Total Credit : 04**

**Objectives :** After Studying this subject students will be able to understand how to prepare the Final A/c of Farm, Electricity and local Self –Government.

		<b>No. of Lectures</b>
<b>Unit-I</b>	<b>Indian Accounting Standards</b> -Meaning of Accounting Standard, Indian Accounting Standard 2020. -Application of the following Accounting Standards AS 7: Construction Contracts AS 9: Revenue Recognition AS 14: Accounting for Amalgamations AS 18: Related Party Disclosures AS 19: Leases AS 20: Earnings per Share AS 24: Discontinuing Operations AS 26: Intangible Assets AS 29: Provisions, Contingent Liabilities, and Contingent Assets	<b>07</b>
<b>Unit-II</b>	<b>Farm Accounting (Numeric)</b> - Books of Accounts to be maintained for Farm Accounting -Preparation of Farm A/C and Balance Sheet. (Dairy and Poultry only)	<b>08</b>
<b>Unit-III</b>	<b>Final Accounts of Local Self Government (Numeric)</b> -Meaning and Importance of Local Self Government -Maintaining Books of Accounts -Preparation of Final Accounts (Gram Panchayat and Zilla Parishad only)	<b>15</b>
<b>Unit-IV</b>	<b>Final Account of Electricity Company: (Numeric)</b> -Introduction, Features of Double Entry Account system -Preparation of Accounts, Revenue, Net Revenue Account. -Receipt & Expenditure on Capital Account, General Balance Sheet With special effect of adjustments.	<b>15</b>
<b>Unit-V</b>	<b>International Financial Reporting Standards(Theory)</b> - International Financial Accounting System - Accounting Values and Culture - Development and Disclosure - Global Accounting and Auditing Standards	<b>15</b>
<b>Note :Sessional Work : 20 Marks</b>		
Test : 5 Marks		
Tutorial : 10 Marks		
Viva-Voce /Seminar : 5 Marks		

**REFERENCE BOOKS**

1. Advanced Accounts - Shukla and Grewal. S. Chand & Co. Ltd., New Delhi
2. Advanced Accounts - Jain and Narang, Kalyani Publishers
3. A New Approach to Accountancy - Prof. H. R. Kotalwar, Discovery Publishers, Latur.
4. Advanced accountancy – R L Gupla and Radhaswamy, Sultan Chand and Sons, New Delhi.
5. Advanced Accountancy – M. G. Patkar, PhadkePrakashan, and kolhapur.
6. Studies in Advanced Accountancy – Dr. S. N. Maheshwari, Sultan Chand and Sons, New Delhi.
7. Interpretation and Application of IFRS Standards (2018), PKF International Ltd Wiley

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**B.Com VI<sup>th</sup> Semester Syllabus (CBCS)  
Management Accounting -II**

<b>Total Marks :</b>	<b>100</b>
<b>Theory:</b>	<b>80</b>
<b>IA / Sessional:</b>	<b>20</b>
<b>Total Credit :</b>	<b>04</b>

**Objectives:**

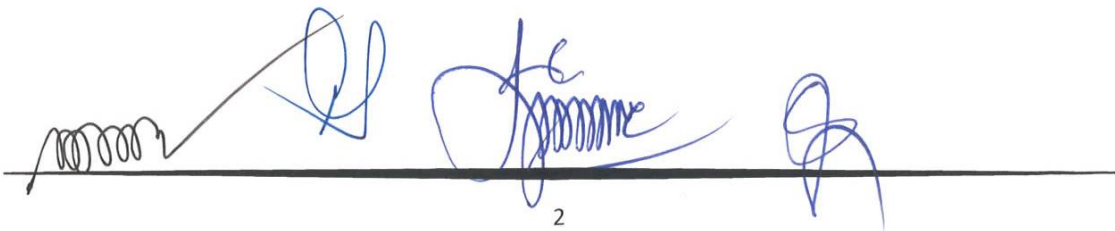
- Objective of course is to give students a good understanding about the concepts and techniques of management accounting syllabus, it will help student to understand the background of a fast changing global market.

		<b>No. of Lectures</b>
<b>Unit-I</b>	<b>Working Capital Management: (Theory only)</b> Meaning of Working Capital, Kinds of Working Capital, Sources of Working Capital, Objectives of Working Capital Management, Determinants of working capital requirement, Estimation of Working Capital Requirement.	<b>10</b>
<b>Unit-II</b>	<b>Budgetary Control: (Theory only)</b> Meaning, Definitions, Characteristics, Objectives, Advantages and Limitations of Budgetary Control.	<b>10</b>
<b>Unit-III</b>	<b>Types of Budgets: (Theory/Numeric)</b> Types of budgets - Cash Budget, Production budget, Sales budget, Master budget.	<b>15</b>
<b>Unit-IV</b>	<b>Capital Budgeting: (Numeric problems only)</b> Meaning, Principles and Types of Capital Budgeting. Pay-back period Method, Discounted Cash Flow Method, Net Present Value Method.	<b>15</b>
<b>Unit-V</b>	<b>Responsibility Accounting: (Theory only)</b> Meaning, Definitions, and Basic principles. Responsibility reporting, Benefits of Responsibility Accounting.	<b>10</b>
	<b>Note :</b> <b>Sessional Work : 20 Marks</b> Test & Tutorial (Each 05 Marks) : 10 Marks Preparation of any Two Types of Budget (Each 05 Marks) : 10 Marks	

**REFERENCE BOOKS**

- Dr. S.N. Mahaeshwari, Management Accounting Sultan Chand & Sons, Delhi
- Jha & Naik, Management Accounting Himalaya Publication
- Khan & Jain - Management Accounting Tata McGraw-Hill Education
- Dr. Jitendra Ahirrao - Management Accounting – Kailash Publications Aurangabad.
- Dr. V.R. Nagori & Dr. Sanjay Agrawal - Management Accounting – Chinmay Publications Aurangabad.

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**B.Com VI<sup>th</sup> Semester Syllabus (CBCS)  
Direct Taxes**

<b>Total Marks :</b>	<b>100</b>
<b>Theory:</b>	<b>80</b>
<b>IA / Sessional:</b>	<b>20</b>
<b>Total Credit :</b>	<b>04</b>

**Objectives:**

- Students will be able to learn about the Direct Taxes with different Income Tax Act with latest Amendments.

	<b>No. of Lectures</b>
<b>Unit-I</b> <b>Income Tax Act 1961 (with Amendments). (Theory)</b> Introduction to Income Tax Act 1961, Basic Concepts, Assessee, Person, Income, Classification of Income, Agricultural Income, Casual Income, Previous year, Assessment Year, Heads of Income, Gross Total Income, Total Income, Incomes exempted from Income tax, Tax deduction at Source, Refund of tax	<b>12</b>
<b>Unit-II</b> <b>Income from Salary: (Numerical)</b> Meaning, definition of Salary, Computation of Income from Salary, Allowances, Perquisite, Gross Salary, Deductions from Gross Salary, Net Salary.	<b>12</b>
<b>Unit-III</b> <b>Income from Business and Profession: (Numerical)</b> Business, Profession, Deemed income from business or profession, Computation of income from business and profession, deductions.	<b>12</b>
<b>Unit-IV</b> <b>Income from House Property: (Theory)</b> Basis of charge, Annual Value, Determination of Annual Value, Computation of Income from House Property, Deductions U/S 24	<b>12</b>
<b>Unit-V</b> <b>(A) Income from Capital Gain: (Theory)</b> Basis of Charge (Section 45), Meaning of Capital Assets, Type of Capital Gain, Short term and Long term Capital Gain, Cost of Inflation Index, Computation of Capital Gain, Exemptions in respect of Capital gain (U/s 54). <b>(B)Income from Other Sources:</b> Income Taxable under the head Income from other Sources u/s 56, Deductions from income from other sources u/s 57.	<b>12</b>
<b>Note :Sessional Work</b> Test : 5 Marks Tutorial : 10 Marks Viva-Voce : 5 Marks	<b>: 20 Marks</b>

**REFERENCE BOOKS:**

1. Dr. H.C. Mehrotra and Dr. S. P. Goyal – Income Tax Law & Accounts: SahityaBhavan Publications.
2. Dr. Prakash Herekar – Income Tax – Modern Publishers, Mumbai.
3. Dr. Vinod Singhanian – Income Tax – Taxman Publications Pvt. Ltd, New Delhi.
4. Raman Bissa – Ready Reckoner – Taxcom India, Jaipur.
5. T. N. Manoharan – Income Tax Law – Snow White, Publication Pvt. Ltd., Mumbai.
6. V. P. Gaur & D. B. Narang – Income Tax – Law and Practice, Kalyani Publishers, Mumbai.



**B.Com VI<sup>th</sup> Semester Syllabus (CBCS)  
Business Regulatory Framework-II**

**Total Marks : 100**  
**Theory: 80**  
**IA / Sessional: 20**  
**Total Credit : 04**

**Objectives:**

- To acquaint student with the Basic Concepts, Terms, Provision, and Application of Business Laws.

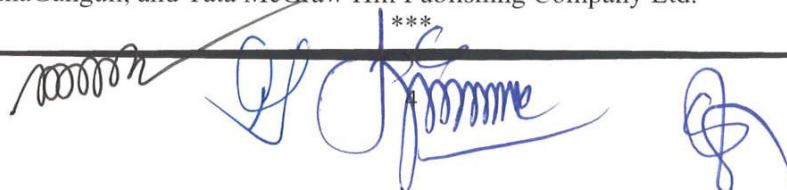
		No. of Lectures
<b>Unit -I</b>	<b>Negotiable Instrument Act (Amendment) Act, 2002:</b> Definition, Feature of promissory note, Bill of exchange and cheque, Holder and Holder In Due Course, Crossing and Dishonour of Cheques, Dishonour of Negotiable Instruments, Discharge From Liability on Negotiable Instruments	12
<b>Unit -II</b>	<b>Company Act 2013:</b> Introduction to Company Law, Principles & Concepts, Company Administration and Meetings, rights and duties of company secretary, Corporate Social Responsibility., company audit procedure. Features of Company Act 2013 – Types of Company –Share Capital and Its types- Formation of Company- Memorandum of Association - Articles of Association.	12
<b>Unit -III</b>	<b>The Securities And Exchange Board of India Act 1992:</b> Establishment of SEBI - Power and Functions of SEBI - Registration of Stock Brokers, Sub - Brokers - Recognition of Stock Exchange - Role of Stock Exchanges - Listing of Securities - Trading of Securities.	12
<b>Unit -IV</b>	<b>Intellectual Property Rights:</b> Introduction to Intellectual property Rights, types of intellectual property, Trade Marks: Purpose and function of trademarks, Law of copy rights: Fundamentals of copy right law.	12
<b>Unit -V</b>	<b>Concepts of Miscellaneous Business Laws:</b> The Competition Act 2002( with 2009 Amendment), The Environment Protection Act, 1986, The Information Technology Act,2000	12
	<b>Note :</b> <b>Sessional Work : 20 Marks</b> Test : 5 Marks Tutorial : 10 Marks Viva-Voce /Seminar : 5 Marks	

**REFERENCE BOOKS:**

1. Dr.AvtarSingh : Company Law; Eastern Book Company, 34, Lalbagh, Lucknow.
2. C.R. Datta :Datta on the Company Law; Lexis Nexis, ButterworthsWadhwa, Nagpur
3. A. Ramaiya : Guide to the Companies Act; Lexis Nexis, ButterworthsWadhwa, Nagpur
4. Corporate Law- Bharat Law House Pvt Ltd. New Delhi.
5. Desai. T.R. Indian Contract Act, S.C. Sarkar and sons Pvt.Ltd
6. Kuchal.M.C. Business Law, Vikas Publishing House, New Delhi.
7. Intellectual Property Right – Unleashing the Knowledge Economy, PrabuddhaGanguli, and Tata McGraw Hill Publishing Company Ltd.

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**B.Com VI<sup>th</sup> Semester Syllabus (CBCS)  
Computerized Accounting-II**

**Total Marks : 100**  
**Theory: 50**  
**UA**  
**(Practical): 50**  
**Total Credit : 04**

**Objectives:**

- To benefit the students with employability and to work with well-known accounting software e.g.Tally.ERP9
- To enable students to process advanced accounting and inventory transactions using accounting software.
- To equip students with advanced GST functionality through Computerized Accounting.

		<b>No. of Lectures</b>
<b>Unit-I</b>	<b>Advance Computerized Accounting Features : (e.g.Tally.ERP 9)</b> <b>Maintaining Bill-wise details</b> - Activating Bill-wise Details, Credit period, Maintain Balances bill-by- bill, Outstanding Reports <b>Cost Centers &amp; Cost Categories</b> : Activating Cost Centers, Creating Cost Centers, Cost Center Report <b>Banking</b> : Cheque Book Management, Denomination Details ,Bank Reconciliation	<b>04</b>
<b>Unit-II</b>	<b>Advanced Inventory Features in Computerized Accounting:</b> (e.g. Tally.ERP 9) <b>Stock Transfers</b> - Recording Stock Journals, Godown-wise Reports, <b>Bill of Materials-</b> Set up for Stock item, Manufacturing Journals. <b>Batch-wise details-</b> Activating Batch- wise details, Batch-wise Reports	<b>06</b>
<b>Unit-III</b>	<b>Advanced GST Transactions : (e.g. Tally.ERP 9)</b> <b>Recording Purchases-</b> NIL Rated, Exempted, Multiple Tax Rates, Purchase Returns, <b>Recording Sales</b> – NIL Rated , Exempted, Multiple GST rates, Sales Returns <b>Recording Sales of Service, E-way Bill, GST Returns-</b> GSTR1, GSTR2	<b>10</b>
<b>Unit-IV</b>	<b>Tax Deducted at Source (TDS):</b> Concept of TDS, Activating TDS, Creating Masters, Recording Transactions, TDS Reports	<b>06</b>
<b>Unit-V</b>	<b>Technological Features in Accounting Software :(e.g. Tally.ERP 9)</b> Backup & Restore, Import & Export Data, Setting Password to Company.	<b>04</b>
<b>List of Practical's : (No. of Practicals / Sessions 30)</b>		
<ol style="list-style-type: none"> <li>1. Activating Bill-wise details for Sundry Debtors &amp;Creditors</li> <li>2. Recording Purchase oncredit</li> <li>3. Recording Sales oncredit</li> <li>4. Display OutstandingReport</li> <li>5. Activating CostCenters</li> <li>6. Recording Transactions with CostCenters</li> <li>7. Display Cost CenterReport</li> <li>8. Bank Reconciliation ,BankingReports</li> </ol>		

9. Inter-Godown Transfer using Stock Journal
10. Bill of Material Set up in Stock item
11. Recording Manufacturing Journal
12. GST Purchases with Nil Rate, Exempted Purchases
13. GST Sales with Multiple Rates
14. GST Purchase Entry with Multiple Rates
15. Recording Sales Returns
16. Recording Purchase Returns
17. Activating TDS and Recording transaction
18. Data Backup & Restore
19. Setting password to Company
20. Export of Data

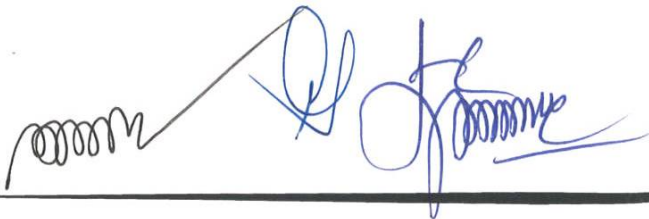
**Practical's U/A: 50 Marks (Colleges / Institutions are required to make available licensed copy of Accounting Software )**

1. Test : 10Marks
2. Oral : 20Marks
3. Practical File :20Marks

**REFERENCE BOOKS:**

1. Financial Accounting on Computers using Tally, NamrataAgrawal
2. Tally.ERP 9 Made Simple Basic Financial Accounting, Ashok KNadkarni
3. Tally.ERP9 Shraddha Singh and NavneetMehra
4. A Complete Self Learning Manual on Tally.ERP 9, Ajay O.Maheshwari

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**B.Com VI<sup>th</sup> Semester Syllabus (CBCS)  
Capital Market (Elective)**

<b>Total Marks :</b>	<b>100</b>
<b>Theory:</b>	<b>80</b>
<b>IA / Sessional:</b>	<b>20</b>
<b>Total Credit :</b>	<b>04</b>

**Objectives:**

- Course is intended to familiarize the students with capital market operations in India; it will provide a broad view of the Indian financial system, SEBI, Primary Market, Indian and International Stock exchanges.

		<b>No. of Lectures</b>
<b>Unit-I</b>	<b>Indian Financial System:</b> Structure of Indian financial system, Money Market and Capital Market, Features and functions. Investment Avenues, Types of Traders and Markets. Market Intermediaries	<b>12</b>
<b>Unit-II</b>	<b>Introduction and working of Indian Stock Exchanges :</b> SEBI-Establishment, Functions and objectives, Laws and regulations of Stock Exchange, Listing Procedure, Benefits of Listing, Listing at different stock exchange, Licensed Dealer	<b>12</b>
<b>Unit-III</b>	<b>Trading in Stock Markets :</b> Instruments Traded, Trading v/s Speculations, Types of Traders, Brokers, Broking House and their charges, Short Sale, Settlement Procedure, Underwriters and Reuters	<b>12</b>
<b>Unit-IV</b>	<b>Merchant Banking:</b> Role and functions, Services offered. Venture Capital, Microfinance and Development. Thrift Institutions: Need, Functions and role in Indian context.	<b>12</b>
<b>Unit-V</b>	<b>Over the Counter Exchange in India:</b> Its role objectives, Advantages, Major players in OTC. <b>Derivative Market :</b> Meaning, Forward and Future Contracts, Options and Swap, Currency Swap	<b>12</b>
	<b>Note :</b> <b>Sessional Work : 20 Marks</b> Test : 5 Marks Tutorial : 10 Marks Viva-Voce /Seminar : 5 Marks	

**REFERENCE BOOKS:**

1. Capital Market Management – V.A. Avadhani
2. Financial Institutions – L.B.Bhole
3. Indian Capital Market – V.A.Avadhani- Himalaya
4. Gupta N.K and Monica Chopra : Financial Markets Institutions and services
5. YogeshMaheswary : Investment Management
6. Kevin. S : Security Analysis and Portfolio Management
7. Preethi Singh : Dynamics of Indian Financial System

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**B.Com VI<sup>th</sup> Semester Syllabus (CBCS)  
Advertising and Salesmanship (Elective)**

**Total Marks : 100**  
**Theory: 80**  
**IA / Sessional: 20**  
**Total Credit : 04**

**Objectives:**

- To understand the role of salesman in the changing scenario in Global marketing.
- To know the various types of Customers, Salesman & skills of successful salesman.

		No. of Lectures
<b>Unit -I</b>	<b>Concept of Salesmanship :</b> Essential skill & types of salesmanship, Advertising & Publicity concept, Need and Importance, Skills required being a Good Salesman, Attitude & values of salesman.	12
<b>Unit -II</b>	<b>Process of Selling &amp; Sales Promotion:</b> Steps in Process of selling, A.I.D.A. (A-Awareness, I-Interest, D-Desire, A-Action) Model of Selling, Concept of sales promotion, Emerging techniques in Consumer's Sales Promotion.	12
<b>Unit -III</b>	<b>Advertising and Media of Advertising:</b> Concept, Meaning, Need, Objectives of advertising, Merits & Limitation of advertising, Impact of advertising, Impact of advertising on Indian Economy, Print media, Electronic media, outdoor media, social media,- concept, merits & Limitation of every media.	12
<b>Unit -IV</b>	<b>Advertising Media:</b> Types of Media (Newspaper and Magazines, Pamphlets, Posters and Brochures) Electronic Media (Radio, Television, Audio, Visuals) their Characteristics, merit and Limitations. Exhibitions and media. Press Conference Web advertising: Objectives, Importance and Types of Online advertising.	12
<b>Unit -V</b>	<b>Advertising Agencies:</b> The role and Importance of advertising and false claims. Their organization patterns, selection of advertising agency. Agency Commission and fee. Advertising Department: Its Function and organization.	12
<b>Note : Sessional Work : 20 Marks</b> Test : 5 Marks Tutorial : 10 Marks Viva-Voce /Seminar : 5 Marks		

**REFERENCE BOOKS:**

1. Dr.RustomDavar, Sohrab R Davar, Nuslir R Davar, Salesmanship and Publicity,Vikas Publication Pvt. Ltd.
2. S. A. Sherlekar Marketing Management, 16<sup>th</sup> Edition Himalaya Publication House - Pune.
3. S. A. Sherlekar, Marketing Management & Salesmanship, Himalaya Publication House - Pune.
4. P. K. Sahu, K. C. Raut, Salesmanship & Sales Management, Vikas Publication House.
5. NeeruKapoor, Personal selling & Salesmanship, Pillacle Learning.



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**B.Com VI<sup>th</sup> Semester Syllabus (CBCS)  
Project Management & Finance (Elective)**

**Total Marks : 100**  
**Theory: 80**  
**Project Report: 20**  
**Total Credit : 04**

**Objectives:**

- Student will be able to understand the project management principles, philosophy and the project environment through feasibility study.

		No. of Lectures
<b>Unit-I</b>	<b>Fundamentals of Project Management :</b> Meaning and Objective of Project Management, Nature and Need for Project Management ,Types of Project , Essentials of Project Management Philosophy, Project Management Principles, Project Management Process	<b>12</b>
<b>Unit-II</b>	<b>Project Feasibility Studies:</b> Opportunity studies-General opportunity studies-specific opportunity studies-pre-feasibility studies-functional studies or support studies-feasibility study – components of project feasibility studies – Managing Project resources flow– Project Life Cycle – Project constraints.	<b>12</b>
<b>Unit-III</b>	<b>Project Identification, Project formulation and Preparation:</b> Market and demand identification, market survey, Material inputs, technology, production, plant capacity, location and site, civil works, charts, layouts, work schedule, cost of project, estimates of cost, financial projections.	<b>12</b>
<b>Unit-IV</b>	<b>Project Evaluation and Auditing:</b> Project Evaluation Process, Phases of Project Audit, Project Closure Reports.	<b>12</b>
<b>Unit-V</b>	<b>Project Finance:</b> Meaning of Financing a Project, Working Capital Finance, Sources of Finance Role of Advisors in Project Finance, Institutional Project Finance and Commercial Risks.	<b>12</b>
	<b>Note :</b> <b>Sessional Work : 20 Marks</b> Preparation of Model Project Report (Any type of Project Report)	

**REFERENCE BOOKS**

1. Project Planning & Control (Volume 1 & 2) , N.P.Agrawal and B.K. Mishra, Indus valley Publications
2. Project Management , Bhavesh Patel ,Vikas Publication , Mumbai
3. Project Planning Analysis and Management , Anand Kumar Sharma , Anmol Publication , New Delhi.

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Circular file

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**DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY****CIRCULAR NO.SU/Commerce & Management/B.Com./06/2020**

It is hereby inform to all concerned that, on the recommendation of the Dean, Faculty of Commerce & Management, the Hon'ble Vice-Chancellor in his emergency powers under section-12(7) of the Maharashtra Public Universities Act, 2016 has accepted the revised syllabi following subjects of B.Com. Degree. under Choice Based Credit and Grading System on behalf of the Academic Council to be applied from the Academic Year 2020-2021 and onwards.

1	I Sem.	Entrepreneurship Development (Elective Paper)
2	II Sem.	Entrepreneurship Development -II
3	III Sem.	Goods and Services tax Account (GST)-I
4	V Sem.	Business Regulatory Framework-I
5	V Sem.	Advance Financial Accounting-I

The said syllabi are also available on University website [www.bamu.ac.in](http://www.bamu.ac.in).

All concerned are requested to note the contents of this circular and bring notice to the students, teachers and staff for their information and necessary action.

University Campus,  
Aurangabad-431 004.

REF.NO. SU/COMMERCE/2020-21/

Date:- 18-09-2020.

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*[Signature]*  
Deputy Registrar,  
Academic Section.  
Syllabus unit.

**Copy forwarded with compliments to :-**

- 1] **The Principals, affiliated concerned Colleges, Dr. Babasaheb Ambedkar Marathwada University.**
- 2] **The Director, University Network & Information Centre, UNIC, with a request to upload this Circular along with the said syllabi on University Website.**

**Copy to :-**

- 1] The Director, Board of Examination & Evaluation,
- 2] **The Section Officer, [ B.Com. Unit ] Examination Branch,**
- 3] **The Programmer [Computer Unit-1] Examinations,**
- 4] **The Programmer [Computer Unit-2] Examinations,**
- 5] The In-charge, [E-Suvidha Kendra], Rajarshi Shahu Maharaj Pariksha Bhavan, Dr. Babasaheb Ambedkar Marathwada University.
- 6] The Public Relation Officer,
- 7] The Record Keeper.

**D.R. BABASAHEB AMBEDKAR  
MARATHWADA UNIVERSITY,  
AURANGABAD.**



Curriculum of

Bachelor of Commerce

B.COM.IIIRD YEAR

FIFTH SEMESTER

under Choice Based Credit & Grading System


*[ Effective from the Academic Year 2020-21 & onwards ]*


**Dr. Babasaheb Ambedkar Marathwada University, Aurangabad**


**B.com Fifth Semester Structure ( 2020 – 2021 )**


**Faculty of Commerce & Management**

Paper Number	Subject / Title of the Paper	Course	Weekly		Credits		IA	UA	Total Marks	Duration of Theory Exam
			Th	Pr	Th	Pr				
I	Advanced Financial Accounting – I	Core Discipline	4	-	4	-	20	80	100	3 Hrs
II	Management Accounting – I	Core Discipline	4	-	4	-	20	80	100	3 Hrs
III	Auditing	Core Discipline	4	-	4	-	20	80	100	3 Hrs
IV	Business Regulatory Framework	Core Discipline	4	-	4	-	20	80	100	3 Hrs
V	Computerized Accounting – I	Ability Enhancement	2	-	2	-	--	50	100	2 Hrs
VI	1. Supply Chain Management & Logistics or 2. Rural Development & Agricultural Business or 3. Travel & Tourism or 4. MSME Management	Discipline Specific Elective [Any One]	4	-	4	-	20	80	100	3 Hrs
<b>Total</b>			<b>22</b>	<b>02</b>	<b>22</b>	<b>02</b>	<b>100</b>	<b>500</b>	<b>600</b>	<b>--</b>

  
07/07/2020  
Prof. W.K. Sawade  
(Deputy chairman BOS)

  
07/07/2020  
Prof. Syed Bahuddin  
(Chairman BOS)

  
Prof. Satyaprasad Ghure  
(Chairman BOS)

  
Dr. K.V. Sable  
(Chairman BOS)



**Dr. Babasaheb Ambedkar Marathwada University, Aurangabad**

**B.com Fifth Semester Structure ( 2020 – 2021 )**

**Faculty of Commerce & Management**

Paper Number	Subject / Title of the Paper	Course	Weekly		Credits		IA	UA	Total Marks	Duration of Theory Exam
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I	Advanced Financial Accounting – I	Core Discipline	4	-	4	-	20	80	100	3 Hrs
II	Management Accounting – I	Core Discipline	4	-	4	-	20	80	100	3 Hrs
III	Auditing	Core Discipline	4	-	4	-	20	80	100	3 Hrs
IV	Business Regulatory Framework	Core Discipline	4	-	4	-	20	80	100	3 Hrs
V	Computerized Accounting using GST	Ability Enhancement	2	2	2	2	50	50	100	2 Hrs
VI	1. Supply Chain Management & Logistics or 2. Rural Development & Agricultural Business or 3. Travel & Tourism or 4. MSME Management	Discipline Specific Elective [Any One]	4	-	4	-	20	80	100	3 Hrs
	<b>Total</b>			-		-				--

Prof. W. K. Sarwade  
(Dean + Chairman)

Prof. Syed Aghamuddin  
(Chairman BOS)

Prof. Satyaprem Ghunre  
(Chairman BOS)

Dr. Kishor Salve  
(Chairman BOS)

**B.Com V<sup>th</sup> Semester Syllabus (CBCS)  
Advance Financial Accounting – I**

**Total Marks : 100**

**Theory: 80**

**IA / Sessional: 20**

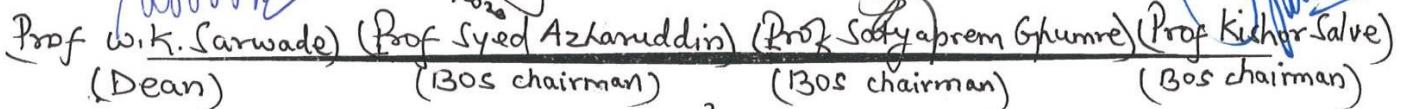
**Objectives :** After studying this subject students will be able to understand how to prepare Final Accounts of Banking and Insurance Companies and record the accounting transactions and events related to investment and departmental affairs

	<b>No. of Lectures</b>
<b>Unit-I :</b> <b>Single Entry System : ( Theory and Numeric )</b> Meaning – Features – Merits and Demerits – Difference between Single Entry System and Double Entry System - Ascertainment of profits – Net Worth System and Conversion in Double Entry System.	<b>08</b>
<b>Unit-II :</b> <b>Final Accounts of Banking Company : ( Numeric )</b> Introduction of Banking Company, <ul style="list-style-type: none"> <li>• Legal Provisions; Non Performing Assets (NPA)</li> <li>• Reserve Fund- Acceptances, Endorsements and other obligations - Bills for collection, Rebate on bills discounted and Provision for Bad and Doubtful debts.</li> <li>• Preparation of Final Accounts as per Schedule Stated, Form - A and Form- B ( Vertical Form only) <b>OR</b> Horizontal Form T 'Form'</li> </ul>	<b>15</b>
<b>Unit-III:</b> <b>Final Account of Insurance Company ( Numeric )</b> <ul style="list-style-type: none"> <li>• Introduction, Meaning, Types of Insurance. Books maintained by General Insurance Companies, Revenue Accounts, Profit &amp; Loss Accounts, Profit &amp; Loss Appropriation Accounts and General Balance Sheet.</li> <li>• Claims- Re-Insurance transactions, Re-Insurance Premium transactions, Re-insurance Ceded and legal Provisions.</li> <li>• Preparation of Revenue Account, Profit &amp; Loss Accounts, P&amp;L Appropriation Accounts and Balance Sheet. (Fire and Marine Insurance Only)</li> </ul>	<b>15</b>
<b>Unit-IV:</b> <b>Investment Accounts : ( Numeric )</b> <ul style="list-style-type: none"> <li>• Introduction, Meaning &amp; Definition of Investment, Types of investments.</li> <li>• Cum-Interest and Cum-Dividend Transactions of Purchases and sales.</li> <li>• Ex- Interest and Ex-Dividend Transactions of Purchases and Sales.</li> <li>• Entries for Interest Received, Brokerage, Commission on Purchases &amp; Sales Transactions.</li> <li>• Valuation of Closing investment by FIFO Method and Market Price Method</li> </ul>	<b>15</b>
<b>Unit-V:</b> <b>Emerging Technological Trends in Accounting: ( Theory )</b> <ul style="list-style-type: none"> <li>• Cloud Accounting system : Meaning, Objectives, and Benefits</li> <li>• Forensic Accounting: Concept, Definition and Need.</li> <li>• Artificial Intelligence in Accounting and Auditing : Meaning, Use in Accounting, Role of Accountant using Artificial Intelligence.</li> </ul>	<b>07</b>

**Reference Books**

1. Advanced Accounts - Shukla and Grewal. S. Chand & Co. Ltd., New Delhi
2. Advanced Accounts - Jain and Narang, Kalyani Publishers
3. A New Approach to Accountancy - Prof. H. R. Kotalwar, Discovery Publishers, Latur.
4. Advanced accountancy – R L Gupta and Radhaswamy, Sultan Chand and Sons, New Delhi.
5. Studies in Advanced Accountancy – Dr. S. N. Maheshwari, Sultan Chand and Sons, New Delhi.
6. Advanced Financial Accounting – Dr. P.T. Bhosale, Dr. Jitendra Ahirrao, Dr. Shivaji Madan, Chinmay Prakashan

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 Prof. W.K. Sarwade (Dean)      Prof. Syed Azharuddin (BOS chairman)      Prof. Satyaprem Ghumre (BOS chairman)      Prof. Kishor Salve (BOS chairman)



**B.Com Vth Semester Syllabus (CBCS)  
Management Accounting – I**

<b>Total Marks</b>	<b>100</b>
<b>Theory</b>	<b>80</b>
<b>Sessional</b>	<b>20</b>

**Objectives:** Management Accounting is an essential tool that enhances a manager's ability. This course is an introduction to the use of accounting information by managers for decision making, performance evaluation and control. The course objective is to increase understanding of the students about the concepts and techniques of management accounting. These issues will be addressed in the background of fast changing global market scenario.

		<b>No. of Lectures</b>
<b>Unit I</b>	<b>Introduction to Management Accounting:</b> Meaning, Definition, Features, Scope, Importance, and Functions of Management Account. Differences between Management Account, Financial Accounting and Cost Accounting. Advantages and Limitations of Management Account. ( <i>Theory only</i> )	<b>10</b>
<b>Unit II</b>	<b>Analysis and Interpretation of Financial Statements:</b> Meaning, Definition, Objectives, Scope of Financial Statements. Financial Statement Analysis, Tools of Financial Statement Analysis - Comparative Financial Statement, Common size Financial Statement, Trend Analysis. ( <i>Theory only</i> )	<b>08</b>
<b>Unit III</b>	<b>Ratio Analysis:</b> Meaning, Advantages, Limitations, and Classifications of Ratios. Gross Profit Ratio, Net Profit Ratio, Return on Capital Employed Ratio, Inventory Turnover Ratio, Debtors & Credit Turnover Ratio, Current Ratio, Liquid Ratio, Proprietary Ratio. ( <i>Numeric Only</i> )	<b>14</b>
<b>Unit IV</b>	<b>Fund Flow Statement:</b> Meaning, Uses, Limitations, Sources and uses of funds. Funds from operations, Statement showing changes in Working Capital, Funds Flow Statement ( <i>Only in statement form</i> ), and Preparation of necessary ledger accounts. ( <i>Numeric Only</i> )	<b>14</b>
<b>Unit V</b>	<b>Cash Flow Statement:</b> Meaning, Uses, Limitations, Cash Flow Statement as per revised Accounting Standard – 3 in Statement Form, Preparation of necessary ledger accounts. ( <i>Numeric Only</i> )	<b>14</b>
	<b>Sessional Work : 20 Marks</b> 1. Test/ Tutorials = 10 Marks 2. Analysis of Financial Statements (Any 5 Statement from Newspapers)= 10 Marks	

**Reference Books :**

- Dr. S.N.Maheshwari – Management Accounting-Everest Publishing Home, New Delhi.
- Dr. Rao A.P - Management Accounting - Everest Publications.
- Khan & Jain - Management Accounting Tata McGraw-Hill Education
- Dr. Jitendra Ahirrao - Management Accounting – Kailas Publications Aurangabad.
- Dr. V.R. Nagori & Dr. Sanjay Agrawal - Management Accounting – Chinmay Publications Aurangabad.

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**B.Com V<sup>th</sup> Semester Syllabus (CBCS)  
Auditing**

**Total Marks      100**  
**Theory                80**  
**Sessional            20**

**Objectives:** This course aims at imparting knowledge about the principles and methods of auditing and its applications.

		<b>No. of Lectures</b>
<b>Unit I</b>	<b>Introduction:</b> Meaning and objectives of Auditing, Importance of Auditing, Types of Auditing, Principles of auditing, Advantages & Limitations of Auditing, Auditing Vs Accounting, Auditing Vs Investigation.	<b>10</b>
<b>Unit II</b>	<b>Audit Planning and Control Procedures :</b> Audit Programme, Meaning, Factors affecting audit, Sources of obtaining information, Discussion with client, Advantages and disadvantages of Audit programme, Instructions before commencing of audit, Audit Note Book, Working papers and Evidences.	<b>12</b>
<b>Unit III</b>	<b>Vouching and Verification :</b> Vouching- Meaning, Need and Importance of Vouching, Vouching of cash and credit transaction, Verification of assets and liabilities, Valuation of assets and liabilities, Audit Report- Elements of Audit report, Types of Audit Report- qualified and clean report.	<b>12</b>
<b>Unit IV</b>	<b>Company Auditor:</b> Eligibility and appointment of Auditor, Qualifications, Disqualifications, Rotation and Removal of Company Auditor, Powers and Duties of Company Auditor, Liabilities and Remuneration of Company Auditor	<b>14</b>
<b>Unit V</b>	<b>Recent Trends in Auditing:</b> Nature and Significance of Cost Audit, Tax Audit, Management Audit and Investigation, Changing role of Auditors in Computerized Accounting System, Forensic Audit, and Conceptual Understanding of Standard Auditing Practices.	<b>12</b>
<i>Note: Practical's should be taken as per the requirement of the Units. College can take decision on their own.</i>		

**Reference Books:**

1. Tandon B.N.: A Hand Book of Practical Auditing, S.Chand and Company, New Delhi
2. Ravindra Kumar: Auditing: Principles and Practice, Virendra Sharma, PHI learning Pvt. Ltd. New Delhi.
3. Sanjib Kumar Basu: Auditing and Assurance for CA IPCC, Pearson education, New Delhi.
4. N.K.Jha, CA Purva Jain: Auditing: Principles and Practice, Himalaya publishing Pvt. Ltd. Mumbai.

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**B.Com Vth Semester Syllabus (CBCS)  
Business Regulatory Framework – I**

**Total Marks      100**  
**Theory                80**  
**Sessional            20**

**Objectives:** To acquaint students with the basic Concepts, Terms, Provisions and Application of Business Laws.

		No. of Lectures
<b>Unit I</b>	<b>The Indian Contract Act 1872:</b> Meaning -Nature of Contract–Elements of valid contract- proposal - Acceptance-Free Consent - Consideration – Agreement declared as void- performance of Contract – Discharge of contract- Remedies for Breach of Contract.	12
<b>Unit II</b>	<b>Special Contract :-</b> A) Contract of Bailment and Pledge - Meaning, Duties and Rights of Bailor and Bailee. B) Contract of Agency - Definition- Creation - Termination - Rights and Duties of Agent and Principal.	12
<b>Unit III</b>	<b>Sale of Goods Act 1930 :-</b> Meaning - Formation of contract of sale - Sale and Agreement to Sell - Condition and Warranties - Transfer of Property in Goods - Performance of Contract of sale - Unpaid Seller.	12
<b>Unit IV</b>	<b>Consumer Protection Act 2019:</b> Definition of Consumerism, Consumer Movement in India, Legislative Measures for Consumer Protection in India, Consumer Protection Regulation 2020. District Consumer Disputes Redressal Commission (DCDR), State Consumer Disputes Redressal Commission (SCDR), National Consumer Disputes Redressal Commission (NCDRC). Consumer Protection (E-commerce) Rules 2020.	12
<b>Unit V</b>	<b>The Right to Information Act 2005 (with Amendment)</b> Nature – Scope– Right to information- Procedure of getting information – Public Authorities-Central information Commission- Constitution, Powers and Functions-State Information Commission-Constitution, Powers and Functions- Appeal & Penalties.	12
	<b>Practical's:</b> College can decide on their own regarding sessional work.	

**Reference Books:**

1. Corporate Law - Bharat Law House Pvt. Ltd. New Delhi.
2. Desai T. R. Indian Contract Act, S. C. Sarkar and sons Pvt. Ltd.-
3. Singh Avtar - The Principles of Mercantile Law. Estem book company, Lukhnow.
4. Kuchal M. C. - Business Law, Vikas Publishing House, New Delhi.
5. Kapoor N. D. - Business Law, Sultan Chand and Sons., New Delhi.
6. Chandha P. R. - Business Law, Galgotia, New Delhi.
7. Gulshan S. S. - Mercantile Law, Excel Books - New Delhi.
8. Bhulchandani S. - Business Law, Himalaya Publishing House.
9. Business Law and Corporate Laws by Tulsian - Tata Mcgraw Hill Publishing.

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(Prof. W. K. Sarwade)      (Prof. Syed Azlamuddin)      (Prof. S. Ghumre)      (Prof. K. D. Solve)



**B.Com Vth Semester Syllabus (CBCS)  
Computerized Accounting with GST -1**

**Total Marks      100**  
**Theory                      50**  
**Practical                   50**

**Objectives :**

1. To benefit the students to work with well-known accounting software e.g. Tally ERP.9
2. To enable students to Process and record the business transactions and manage the accounts information using Software.
3. To equip students "know-how" of GST Functionality using e.g. Tally Software.
4. To train students with required skill for greater employability.

		No. of Lectures
<b>Unit - I</b>	<b>Introduction to Computerized Accounting :</b> Computerized Accounting- Need & Significance, Evolution from Manual to Computerized Accounting System, Benefits of Computerized Accounting. (e.g.Tally.ERP9), Evolution of Accounting Software , Different Versions of tally, Silent Features , Technological Advantages of Computerized Accounting.	<b>04</b>
<b>Unit - II</b>	<b>Fundamentals of Computerized Accounting (e.g. Tally.ERP9.0) :</b> Start-up & Quit, Screen Components, Setting up a new company, Select, Alter & Delete a company, <b>Maintaining Accounting Masters</b> – Groups, Ledgers , <b>Maintaining Inventory Masters-</b> Stock Group, Stock Item, Units of Measure, Stock Categories , Godown , <b>F11</b> Features , <b>F12</b> Configurations	<b>06</b>
<b>Unit - III</b>	<b>Vouchers : Accounting Vouchers</b> - Contra, Payment, Receipt, Journal, Purchase, Sales, Debit Note and Credit Note, <b>Inventory Vouchers-</b> Purchase Order, Sales Orders, Receipt Note& Delivery Note, Stock Journals , Rejection In, Rejection Out	<b>08</b>
<b>Unit - IV</b>	<b>Reports : Accounting Reports :</b> Trial Balance, Profit & Loss A/c, Balance Sheet, Day book, Cash / Bank Book, Ledger Report, Group Summary, Voucher Report , <b>Inventory Reports-</b> Stock Summary, Stock Item Summary, Stock Group Summary, Stock Category Report, Godown Report, Inventory Voucher Report, understanding report-wise F12 configurations	<b>04</b>
<b>Unit - V</b>	<b>GST Functionality :</b> Activating GST in Tally , <b>Setting Up GST</b> -Company Level, Ledger Level or Inventory Level , <b>Creating GST Masters-</b> C-GST, S-GST, I-GST, <b>Recording GST Transaction</b> –Purchase, Sales ,Printing GST Tax Invoice, GST Returns, Payment of GST	<b>08</b>
	<b>List of Practical's :</b>	
1	Company Creation, Alteration and Deletion in Computerized Accounting (e.g. Tally. ERP 9.0)	
2	Backup & Restore of Company	
3	Create, Display, Alter and Delete Accounting Groups	
4	Create, Display, Alter and Delete Ledger	
5	Recording Bank Transactions using Contra voucher	
6	Recording Payment voucher	
7	Recording Receipt voucher	
8	Recording Cash Purchase transaction (Accounts Only)	
9	Recording Credit Purchase transaction (Accounts Only)	



10	Recording Cash Sales transaction (Accounts Only)	
11	Recording Credit Sales transaction (Accounts Only)	
12	Recording Journal voucher for Asset Purchase	
13	Recording Journal voucher for Consumable Purchase	
14	Recording Purchase Order and Receipt Note	
15	Recording Sales Order and Delivery Note	
16	Creating GST Ledgers (S-GST , C-GST and I-GST)	
17	Recording GST Purchase & Sales Invoice (with single rate only)	
18	Display Accounting Reports (Trial Balance, P& L A/c, Balance Sheet, Cash/Bank Book etc.)	
19	Display Inventory Reports in Tally (Stock Register, Order reports etc.)	
20	GST Reports	
<p><b>Practical's U/A : 50 Marks</b></p> <p>1. One Test : 10 Marks</p> <p>2. Oral : 20 Marks</p> <p>3. Practical's Files at least minimum : 20 Marks</p> <p>20 Practical's</p>		

**Reference Books :**

1. Financial Accounting on Computers using Tally , Namrata Agarwal,
2. Tally.ERP 9 Made Simple Basic Financial Accounting,Ashok K Nadhani
3. Tally ERP 9, Shraddha Singh and Navneet Mehra
4. Tally 9, Vishnu Priya.
5. A Complete Self Learning Manual on Tally.ERP 9, Ajay O. Maheshwari.
6. Information Technology and Tally, Arvind Deshpande

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**B.Com V<sup>th</sup> Semester Syllabus (CBCS)**  
**Supply Chain Management & Logistics (Elective)**

<b>Total Marks</b>	<b>100</b>
<b>Theory</b>	<b>80</b>
<b>Sessional</b>	<b>20</b>

**Objectives:**

- 1) To provide basic input of Supply Chain Management & Logistic Practices.
- 2) To create awareness and Entrepreneurial Simulation for Career Building.

		<b>No. of Lectures</b>
<b>Unit I</b>	<b>Supply Chain Management:</b> Introduction, Definition of the Supply Chain Management. Functions and Contribution of Supply Chain Management. Concept of Value Chain and creative Value. Supply Chain effectiveness and Relationship with venders, Suppliers Relationship Management (SRM)	<b>12</b>
<b>Unit II</b>	<b>Concept of Logistics :</b> Introduction, Objectives, Types of Logistics, Concept of Logistics Management. Evaluation of Logistics. Roll of Logistics in Economy. Difference between Logistics and Supply Chain Management. Advantages of Logistics. Logistics Mix.	<b>12</b>
<b>Unit III</b>	<b>Customer Services :</b> Key Elements of Logistics. Introduction, objectives, Concept of Customer Services. Different types of Customer Services. Value Added Logistics Service. Customer relationship Management and Supply Chain Management.	<b>12</b>
<b>Unit IV</b>	<b>Logistics Outsourcing:</b> Introduction, concept of Logistics Outsourcing. Benefit of Logistics Outsourcing. Issues in Logistics Outsourcing. Third party logistics, Fourth Party Logistics. Selection of Logistics Services Providers. Logistics Service Contracts.	<b>12</b>
<b>Unit V</b>	<b>Components of Supply Chain &amp; Logistics:</b> Inventory Management and its role in the Supply chain management. Material handling & its role in supply chain management. Material Storage System. Warehousing. Transportation. Logistics information system & its application in logistics & supply chain management. E-commerce and logistics. SCM Challenges in Post Covid-19 Era.	<b>12</b>
	<b>Practical - 20 Marks</b> To be Conducted by the Department in each College as per Convenience.	

**Reference Books –**

1. Logistics & Supply Chain Management: Martin Christopher, Published by Pearson UK
2. Text Book of Logistics and Supply Chain Management.
3. Essentials of Supply Chain Management: Michal H.Hugos Published by John Wiley & Son inc Hoboken New Jersey.
4. Purchase and Material Management. P. Gopal Krishna published by Tata McGrawhill Publishing co.ltd, New Delhi.

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**B.Com V<sup>th</sup> Semester Syllabus (CBCS)**  
**Rural Development and Agricultural Business ( Elective )**

<b>Total Marks</b>	<b>100</b>
<b>Theory</b>	<b>80</b>
<b>Sessional</b>	<b>20</b>

**Objectives:** This course aims at developing the understanding of students regarding the basic theoretical concepts of rural development and agribusiness for future entrepreneurial venture.

		No. of Lectures
<b>Unit I</b>	<b>Introduction to Rural Development :</b> Meaning and Definition of Rural Development Scope of Rural Development, Significance of Rural Development in Indian Context. Causes of Rural Backwardness, Determinants of Rural Development in India.	12
<b>Unit II</b>	<b>Rural Poverty and Rural Unemployment :</b> Meaning and Definition of Poverty, Causes of Rural Poverty, Remedies of Eradication of Rural Poverty, Meaning and Definition of Unemployment, Types of Unemployment in Rural India, Food Program during COVID-19 Pandemic.	12
<b>Unit III</b>	<b>Rural Development Programmes in India :</b> Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGS), Pradhan Mantri Gram Sadak Yojana ( PMGSY ), Pradhan Mantri Aawas Yojana ( Gramin), Deendayal Antayodaya Yojana - National Rural Livelihood Mission (DAY-NLRM), Model Village Concept - Saansad Aadarsh Gram Yojana (SAGY). Deen Dayal Upadhyaya Grameen Kaushalya Yojana (DDU-GKY), Training of Rural Youth for Self Employment (TRYSEM).	12
<b>Unit IV</b>	<b>Agribusiness :</b> Meaning of Agribusiness, Importance of Agribusiness, Scope for Agribusiness in India, Major Challenges in Development of Agribusiness Sector in India Impact of globalization on Agribusiness Sector in India	12
<b>Unit V</b>	<b>Agricultural Marketing :</b> Meaning of Agricultural Marketing, Scope of Agricultural Marketing, Importance of Agricultural Marketing, Difference between Marketing of Agricultural Goods and Manufactured Goods, Problems of Agricultural Marketing and Measures to Solve Them.	12
	<b>Sessional - 20 Marks</b> To be Conducted by the Department in each College as per Convenience.	

**Reference Books :**

- i. Katar Singh (1986). Rural Development, Principles, Policies and Management, Sage Publication, New Delhi.
- ii. Vasant Desai (2012). Rural Development in India, Himalaya Publishing House, Mumbai.
- iii. Lalitha (2004). Rural Development in India: Emerging Issues and Trends, Dominant Publishers, Delhi.
- iv. Vinayak Reddy and Yadagira Charyulu (2009), Rural Development in India: Policies and Initiatives, New Century Publications, New Delhi.
- v. G. L Meena, S. S Burark, D. C Pant, Rajesh Sharma (2017). Agribusiness Management: Theory and Practices.

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**B.Com V<sup>th</sup> Semester Syllabus (CBCS)  
Travel & Tourism ( Elective )**

<b>Total Marks</b>	<b>100</b>
<b>Theory</b>	<b>80</b>
<b>Sessional</b>	<b>20</b>

**Objectives:** To Familiarize the Students with basic concepts and the impact of Tourism.

	<b>No. of Lectures</b>
<b>Unit I</b> <b>Introduction to Tourism :</b> Definition- Nature- Importance- and Types of Tourism, Characteristics of Tourism; Domestic and International Tourism; Origin and growth of tourism; Famous Travelers, War Tourism, Development of tourism in India, Tourist Information offices.	12
<b>Unit II</b> <b>Components of Tourism:</b> Major and Minor Components of Tourism: Attraction- different types; Accommodation- different types; Accessibility- different types; Amenities; Activities; Ancillary components; Types of Travel: Leisure, Cultural Tourism, VFR, Corporate, Incentive, Wildlife, Adventure, Pilgrimage, Education, Ecotourism, Study and analysis, International – Domestic – Regional Tours , Natural Tourism Resources and Manmade Tourism Resources	12
<b>Unit III</b> <b>Transport System Development –</b> Surface Transport, Water Transport, Air Transport, Emergence of Jet, High Speed Trains, Luxury Coaches, Car Rental, and Tourism Train – Mass Tourism.	12
<b>Unit IV</b> <b>Consumer Behavior:</b> Tourism Motivation, Tourist Behavior, Motivating Masses to Undertake Tourism Activities, Destination Exploration, Promoting Tourism from Grass Root Level at Schools, Modern Tourism and Motivation.	12
<b>Unit V</b> <b>Role and Impact of Tourism :</b> Tourism in India – role of tourism in growth and development of Indian economy, current scenario: Economic Impact of Tourism, Tourism Multiplier Concept, Environmental Impact of Tourism, Environment Impact Assessment, Socio- Cultural Impact of Tourism, Need for Innovative Tourism Products in Post COVID-19 Era.	12
<b>Practical - 20 Marks</b> To be Conducted by the Department in each College as per Convenience	

**Reference Books –**

1. Bhatia, A.K. (2002), *Tourism Development, Principles and practices*, New Delhi, Sterling
2. Publishers (P) Ltd.
3. Charles R Goeldner, JR Brent Ritchie: (2003) *Tourism Principles, Practice and Philosophies*,
4. John Wiley & Sons, Inc, Hoboken, New Jersey.
5. Chris cooper, john Fletcher, alanfyall; *Tourism principles and practice* (1998) Pearson
6. Education limited, Edinburg gate, Harlow, England
7. Gill, S.P.(2002), *Dynamics of Tourism*, New Delhi, Anmol Publications.

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**B.Com V<sup>th</sup> Semester Syllabus (CBCS)  
MSME Management (Elective )**

<b>Total Marks</b>	<b>100</b>
<b>Theory</b>	<b>80</b>
<b>Sessional</b>	<b>20</b>

**Objectives:**

- To acquaint the students about Role, Setup, Working & Assistance through Micro, Small and Medium Enterprises in India.
- To equip the students with necessary management skills for effective management of MSMEs.

		<b>No. of Lectures</b>
<b>Unit I</b>	<b>MSME ENVIRONMENT IN INDIA :</b> Definition of MSMEs, Characteristics, Importance, Contribution in economic development of India, Growth of MSMEs in India, Challenges faced by MSMEs in India	<b>12</b>
<b>Unit II</b>	<b>Setting up of MSMEs :</b> Business Idea generation, Selection of idea, Feasibility analysis, Project Report, Acquisition of resources, Registration of MSME (Udyog Aadhar Number), Turn-Key business- Concept, features, advantages, disadvantages, Franchise Business- Concept, features, advantages, disadvantages, MSME Clusters: Concept, importance, benefits.	<b>12</b>
<b>Unit III</b>	<b>Financial Management of MSMEs :</b> Financial Management: Meaning, nature, importance, Fixed & Working capital, Sources of finance : Term Loans- Bank Overdraft- Cash-Credit- Microfinance, Venture Capital: Concept, Features, Types, Limitations	<b>12</b>
<b>Unit IV</b>	<b>Marketing &amp; HR Management in MSMEs :</b> Concept of Marketing management, Market segmentation, Marketing Mix, Rural marketing, Services marketing, Digital marketing: Concept & Nature. HRM: Concept of HR Management, need of HRM in MSMEs, Functions of HRM	<b>12</b>
<b>Unit V</b>	<b>Institutional Assistance for MSMEs:</b> Introduction, Need, Central level: NIESBUD, SIDBI, SIDO, KVIC, EDII, State Level: MSME-DI, MSFC, DIC, MIDC, Regional Level: MAGIC, Bajaj Incubation Centre, CMIA, MASSIA, Atmanirbhar Bharat and Assistance to MSME's .	<b>12</b>
	<b>(20 marks)</b>	
	<b>1. Project/ Seminar on any one unit: 10 marks</b>	
	<b>2. Test /Tutorials 10 marks</b>	

**Reference Books –**

1. Business, Entrepreneurship and Management- V.S.P.Rao, Vikas Publishing, 2014
2. Entrepreneurship & Small Business Management- M.B.Shukla, Kitab Mahal Publications
3. Entrepreneurship Development: S.S.Khanka, S.Chand Publications
4. Entrepreneurship Management: Vasant Desai, Himalaya Publications, 2011
5. Entrepreneurship & New Venture Creation, A.V.Sahay et.al , Excel Books, 2008
6. Entrepreneurship development & Small Business, Poornima, Pearson India

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Circular file

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**DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY****CIRCULAR NO.SU/Commerce & Management/ II Sem./32/2018**

It is hereby inform to all concerned that, on the recommendation of the Dean, Faculty of Commerce & Management, the Hon'ble Vice-Chancellor in his emergency powers under Section-12(7) of the Maharashtra Public Universities Act, 2016 has accepted the syllabus of **B.Com., BBA & BCA II Sem.** on behalf of the Academic Council\_ to be applied from the Academic Year 2018-2019 and onwards.

All concerned are requested to note the contents of this circular and bring notice to the students, teachers and staff for their information and necessary action.


University Campus,  
Aurangabad-431 004.

REF.NO. SU/ COMMERCE/2018-19.

Date:- 26-11-2018.

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**Deputy Registrar,  
Syllabus Section.**

**Copy forwarded with compliments to :-**

- 1] **The Principals, affiliated concerned Colleges,  
Dr. Babasaheb Ambedkar Marathwada University.**
- 2] The Director, University Network & Information Centre, UNIC, with **a request to upload this Circular on University Website.**

**Copy to :-**

- 1] The Director, Board of Examination & Evaluation,
- 2] **The Section Officer, [ B.Com. Unit ] Examination Branch,**
- 3] The Section officer, [Eligibility Unit],
- 4] **The Programmer [Computer Unit-1] Examinations,**
- 5] **The Programmer [Computer Unit-2] Examinations,**
- 6] The In-charge, [E-Suvidha Kendra], Rajarshi Shahu Maharaj Pariksha Bhavan, Dr. Babasaheb Ambekar Marathwada University.
- 7] The Public Relation Officer,
- 8] The Record Keeper.



**DR. BABASAHEB AMBEDKAR  
MARATHWADA UNIVERSITY,  
AURANGABAD.**



**Curriculum of B.COM.1ST YEAR**

**SECOND SEMESTER**

**under Choice Based Credit & Grading System**

***[ Effective from the Academic Year 2018-19 & onwards ]***

## DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD.

## B.COM SECOND SEMESTER STRUCTURE. ( 2018-19)

Paper Number	Subject/ Title of the Paper	Course	Weekly		Credits		IA	UA	Total Marks	Duration of Theory Exam
			Th	Pr	Th	Pr				
			I	English	Compulsory Language	4				
II	Second Language	Second Language	4	-	4	-	20	80	100	3 Hrs
III	Financial Accounting II	Core Discipline	4	-	4	-	20	80	100	3 Hrs
IV	Business Mathematics & Statistics II	Core Discipline	4	-	4	-	20	80	100	3 Hrs
V	Business Organization and Management	Core Discipline	4	-	4	-	20	80	100	3 Hrs
VI	Business communication & IT Application	Ability Enhancement Compulsory	2	2	2	2	20 20	80 50	100 52	3 Hrs 2hrs
VII	1. Entrepreneurship Development – II or 2. Office Management – II	Discipline Specific Elective [Any One]	4	-	4	-	20	80	100	3 Hrs
<b>Total</b>			<b>26</b>	<b>02</b>	<b>26</b>	<b>02</b>	<b>140</b>	<b>560</b>	<b>700</b>	<b>--</b>

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## DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD.

## B.COM SECOND SEMESTER STRUCTURE. ( 2018-19)

Paper Number	Subject/ Title of the Paper	Course	Weekly		Credits		IA	UA	Total Marks	Duration of Theory Exam
			Th	Pr	Th	Pr				
I	English	Compulsory Language	4	-	4	-	20	80	100	3 Hrs
II	Second Language	Second Language	4	-	4	-	20	80	100	3 Hrs
III	Financial Accounting II	Core Discipline	4	-	4	-	20	80	100	3 Hrs
IV	Business Mathematics & Statistics II	Core Discipline	4	-	4	-	20	80	100	3 Hrs
V	Business Organization and Management	Core Discipline	4	-	4	-	20	80	100	3 Hrs
VI	Business communication & IT Application	Ability Enhancement Compulsory	2	2	2	2	50	50	100	2 Hrs
VII	1. Entrepreneurship Development – II or 2. Office Management – II	Discipline Specific Elective [Any One]	4	-	4	-	20	80	100	3 Hrs
	<b>Total</b>		<b>26</b>	<b>02</b>	<b>26</b>	<b>02</b>	<b>170</b>	<b>530</b>	<b>700</b>	<b>--</b>



**B.Com IInd Semester Syllabus (CBCS)  
Financial Accounting-II**

**Theory: 80  
Practical: 20**

**Objective:** The purpose of this course is to develop the skill among the students about Preparing an organization's accounts.

- Unit-I      Accounting Principles and Accounting Standards (Theory)**  
AS-1, AS-2, AS-9, AS-10, AS-17
- Unit-II      Final Accounts of Non-trading Concerns (Numerical)**  
Meaning of Non-trading concerns, features, Capital and Revenue Receipts and Expenditures, difference between Receipts and Payments Account, Income and Expenditure Account, Preparation of Final Accounts.
- Unit-III     Branch Accounts (Numerical)**  
Meaning of branch and branch account, objectives of branch account, Classification of branches, Accounting for Dependent Branches-Methods of accounting for branch accounting:  
**Debtors System**-Meaning, cost price method and invoice price method, accounting entries in the books of head office and ledger accounts.  
**Stock and Debtors System**-meaning, accounting entries in the books of head office and ledger accounts
- Unit-IV     Departmental Accounts (Numerical)**  
Meaning, Objectives, Advantages of Department Accounts, Accounting Procedure- Unitary method and Tabular or Columnar Method, Allocation of Expenses and Incomes, Inter-departmental Transfers, Preparation of Departmental Trading, Profit and Loss Account and Balance Sheet.
- Unit-V      Consignment Accounting (Numerical)**  
Meaning of Consignment Account, Distinction between consignment and sale, Valuation of inventories, goods invoiced above cost, normal loss, abnormal loss, Accounting entries in the books of the consignor and consignee, Ledger accounts- consignment account, Goods sent on consignment account, inventories on consignment account, inventory reserve account consignee's account, consignor's account.

**Suggested Readings:**

- |  |                                      |
|--|--------------------------------------|
| 1. Advanced Accounts-                          | MC Shukla, T.S. Grewal&S.C.Gupta     |
| 2. Financial Accounting-                       | V.K. Goyal&RuchiGoyal                |
| 3. A New Approach to Accountancy-              | H.R. Kotalwar                        |
| 4. Financial Accounting-                       | A. Mukherjee&M. Hanif                |
| 5. An Introduction to Accountancy-             | Dr. S.N. Maheshwari& S.K. Maheshwari |
| 6. Financial Accounting A Simplified Approach- | Naseem Ahmed                         |
| 7. Students Guide to Accounting Standards-     | D.S. Rawat&DeeptiMaheshwari          |
| 8. Financial Accounting-                       | S.N. Patil& Ashok Patil              |

**Practical: 20 Marks : (to be conducted by the department in each college as per convenience.)**

- |              |    |
|--------------|----|
| 1. Test-     | 05 |
| 2. Tutorial- | 05 |
| 3. Seminar-  | 10 |

B.Com first Semester Syllabus (CBCS)

## Business Mathematics &amp; Statistics-II

Theory: 80  
Practical: 20

## Objectives:

- 1). To provide knowledge and information about Statistical Applications.
- 2). To create skill and ability among students for using the Statistical Methods, Tools, Techniques by using I.T. devices.

**1. Logarithms**

12

Introduction, Principle of logarithms, Procedure to find out log values, mantissa Value & natural number value. Rules for Multiplication and Division.

**2. Correlations**

12

Meaning of co-relation, Definition of co-relation, Types of co-relation, Methods of studying co-relation: Karl Pearson's, & Spearman's Rank Correlation Methods of Co-relation of co-efficient.

**3. Regression**

12

Meaning of regression, Types of regression: linear regression, Simple and Multiple regression Methods of estimating simple regression lines: Freehand Method & Regression Equations

**4. Index Numbers**

12

Meaning of Index number, Types of Index number, Uses of Index number, Methods of constructing price indices: Laspeyre's, Paasche's, Kellye's, Dorbish & Bowley's, simple aggregative & Fisher's Ideal Index Number.

**5. Probability and Expected Value.**

12

Meaning and Nature of Probability, Definitions of probability, Applications of Probability-Addition & Multiplication, Law of Probability, ~~Conditional probability.~~

**Internal Work and Assignment.**

04

Statistical Application, with Computer (Only for knowledge & Practical application)  
Use of Excel, Knowledge of SPSS and other Statistical and Mathematical Tools and – Software's

Note: Practical's to be conducted based on curriculum given in semester I and II of Business Mathematics and Statistics by using Computers & other I.T. Devices  
Can be included in 20 marks,

**Books Recommended'**

1. Statistical Methods: Dr. S.P. Gupta, Sultan Chand & Sons.
2. Fundamentals of Statistics: D.N. Elhance, et.al, Kitab Mahal.
3. Statistics (Theory, Methods & Application): Dr. D.C. Sancheti, V.K. Kapoor, Sultan Chand & Sons.
4. Fundamental of statistics Dr. D.N. Elhance
5. Problems in Statistics Dr. Y.R. Mahajan
6. Essence of Business Mathematics — Dr. R.K. Rajput

**B.Com IInd Semester Syllabus (CBCS)  
Business Organisation And Management**

**Theory: 80  
Practical: 20**

**Objective:** The course aims to provide basic knowledge to the students about the organisation and management of a business enterprise.

**Contents**

**Unit 1: Foundation of Indian Business**

**Lectures: 12**

Manufacturing and Service Sectors; Small and Medium Enterprises; Problems and Government policy. India's experience of liberalization and globalization. Technological innovations and skill development. 'Make in India' Movement. Social responsibility and ethics

Emerging opportunities in business; Franchising, Outsourcing, and E-commerce.

**Unit 2: Business Enterprises**

**Lectures: 12**

Forms of Business Organization: Sole Proprietorship, Joint Hindu Family Firm, Partnership firm, Joint Stock Company, Cooperative society; Limited Liability Partnership; Choice of Form of Organization. Government - Business Interface; Rationale and Forms of Public Enterprises. International Business. Multinational Corporations.

**Unit 3: Management and Organization**

**Lectures: 12**

The Process of Management: Planning; Decision-making; Strategy Formulation.

Organizing: Basic Considerations; Departmentation – Functional, Project, Matrix and Network; Delegation and Decentralization of Authority; Groups and Teams.

**Unit 4: Leadership, Motivation and Control**

**Lectures: 12**

Leadership: Concept and Styles; Trait and Situational Theory of Leadership.

Motivation: Concept and Importance; Maslow Need Hierarchy Theory; Herzberg Two Factors Theory. Control: Concept and Process.

**Unit V: Functional Areas of Management**

**Lectures: 12**

Marketing Management: Marketing Concept; Marketing Mix; Product Life Cycle; Pricing Policies and Practices Financial Management: Concept and Objectives; Sources of Funds – Equity Shares, Debentures, Venture Capital and Lease Finance. Securities Market, Role of SEBI. Human Resource Management: Concept and Functions; Basic Dynamics of Employer – Employee Relations.

**Suggested Readings:**

1. Kaul, V.K., *Business Organisation and Management*, Pearson Education, New Delhi
  2. Chhabra, T.N., *Business Organisation and Management*, Sun India Publications, New Delhi,
  3. Gupta CB, *Modern Business Organisation*, Mayur Paperbacks, New Delhi
  4. Koontz and Wehrich, *Essentials of Management*, McGraw Hill Education.
  5. Basu, C. R., *Business Organization and Management*, McGraw Hill Education.
  6. Jim, Barry, John Chandler, Heather Clark; *Organisation and Management*, Cengage Learning.
  7. B.P. Singh and A.K.Singh, *Essentials of Management*, Excel Books
  8. Buskirk, R.H., et al; *Concepts of Business: An Introduction to Business System*, Dryden Press, New York.
  9. Burton Gene and Manab Thakur; *Management Today: Principles and Practice*; Tata McGraw Hill, New Delhi.
  10. Griffin, *Management Principles and Application*, Cengage Learning
- (Note: Latest Editions of the above books may be used.)

**Practicals of 20 Marks (to be conducted by college as per their convenience and resources. )**



**B.Com Second Semester Syllabus  
Business Communication and IT Application**

Theory - 50 marks  
practical 50 marks  
2 hrs

**Unit I: Communication**

Meaning & Definition of Communication, Importance of Communication, types of Communication – (Verbal, Non Verbal), Barriers to Communication

**Unit II : Business Correspondence :**

Letter Writing, Presentation, Inviting quotations, Sending quotations, placing orders, Inviting tenders, Sales letters, claim and adjustment letters and social correspondence, Memorandum, Inter-office memo, Notice Agenda, Job application letter, preparing the Resume

**Unit III : Internet technology**

Introduction to computer networks : Introduction- need, advantages, disadvantages, types of networks, types of transmission media, Internetworking devices-bridges, routers, gateways, IP addressing: why IP address, basic format of IP address- IPV4, IPV6, Protocols - HTTP, HTTPS, FTP, DNS, Email

**Unit IV: Electronic Communication**

Meaning and Definition of Electronic Communication, Advantages & Disadvantages of Electronic Communication, Types of Electronic Communication, Web Pages, Email, Forums, Text & Instant Messaging, Social Networking, Video Chat etc., Monitoring of Electronic Communication, Developing a Policy

**Unit V: Email, Social Networking and Oral Presentation.**

Definition and Origin of E-mail, Message Format, Types of Email, Spam, Spoofing, Bombing. Social Networking Sites- Facebook, You Tube, Instagram, Twitter, LinkedIn, Google+ etc. Oral Presentation : Presentation Plan, PPT, Visual Aids, Sales Presentation and Training Presentation.

**References :**

1. Introduction to Information Technology – IITL Education Solutions Limited, Pearson Education
2. V.D. Dudheja : Information Technology, E-Commerce and Business- Commonwealth Publishers, New Delhi.
3. Anita Goel : Computer Fundamentals, Pearson Publication.
4. Sanjay Saxena : Information Technology, Vikas Publication
5. Leena Sen, Communication Skills, PHI Learning.
6. Locker and Kaczmarek, Business Communication : Building Critical Skills, TMH

**Practical to be conducted ( Contents for 20 marks )**

- 1 Printout to be submitted
- 2 Preparing format of letter, Business letter
- 3 Preparation of Meeting Report
- 4 Bold Copying Therasys, Synonymous, Formatting
- 5 PPT Presentation

**B.Com II Semester Syllabus (CBCS)****Entrepreneurship Development-II****Theory: 80****Practical: 20****Objectives :**

- 1). To provide knowledge and information about Entrepreneurship Development.
- 2). To provide knowledge and create ability for setting up an enterprise within given Environment.

<b>1. Entrepreneurship</b>	05
-Evolution of the concept	
-Characteristics	
-Growth in India	
-Role of Entrepreneurship in Economic Development	
<b>2. Emerging Trends in Entrepreneurship Development.</b>	10
-Women Entrepreneurship: Concept, Functions, Problems, Growth.	
-Rural Entrepreneurship: Meaning, Nature, Need & Importance, Problems	
-Traditional Pattern of Entrepreneurship in India	
<b>3. Entrepreneurship Development Programme</b>	15
-Need for EDP	
-Objectives of EDP	
-Contents of EDP	
-Phases of EDP	
-Evaluation of EDP	
<b>4. Project Identification &amp; Resource Management</b>	15
-Meaning of Project	
-Project Identification	
-Project Selection	
-Resources of (Finance, Material, Market, Man power, Power, Land & Building)	
-Preparation of Project	
<b>5. Project Preparation</b>	15
-Introduction about Project	
-Background about Project (Product/Service)	
-Brief information about Product, Marketing, Resources generation etc.	
-Requirements of Project: Required Resources, Budget, Plant, Machinery & Other related things (Based on fixed and working capital approach)	
-Processing, Duration required and expected outcome	
-Marketing, Services etc.	
(Project selection or Project Preparation should be based on such a project which is currently working in your environment and known to the students, Support factual information, data and documents.	

**Note : Practicals to be conducted based on curriculum given in semester I and Semester II of Entrepreneurship Development. Practical may include preparation of tender, Preparation of quotations, Comparative Statement, Purchase order, Insurance Proposals, Bank Proposal for loan, credit, overdraft, Report on interview of successful entrepreneur in local area.**

**Suggested Reading:**

- 1 Entrepreneurship Development, S.S.Khanka, Sultan Chand & Co.Ltd.
- 2 Fundamentals of Entrepreneurship, G.S.Sudha, Ramesh Books Depot.
- 3 Entrepreneurship Development : E.Gordan & K Natarajan,Himalaya Publishing House.
- 4 Entrepreneurship Development, Colombo Plan Staff College for Technician Edn.Manila, TaTa McGraw Hill.
- 5 Small Scale Industries & Entrepreneurship, Vasant Desai, Himalaya Publishing House.
- 6 Project Planning & Control:N.P.Agarwal & Dr.B.K.Mishra, Indus Valley Publication, New Delhi.

**B.Com IInd Semester Syllabus (CBCS)****Office Management-II**

**Theory: 80**  
**Practical: 20**

**Objectives :**

- 1). To provide knowledge and information about Office Management Practices.
- 2). To create skill and ability to operate office activities effectively (By using automation systems).

- |   |    |
|---|----|
| <b>1. Modern Office and its Functions</b>   | 05 |
| -Introduction : Office  |    |
| -Meaning of Office  |    |
| -Work and activities of Office  |    |
| -Office functions and its Importance  |    |
| -Changing nature of Office activities   |    |
| -Current scenario and Practice  |    |
| <b>2. Office Systems and Procedures</b>   | 10 |
| -The concept of system, Meaning, Nature and definition  |    |
| -System analysis, Nature, Practice and Stages   |    |
| -Meaning of flow of work, Role of Manager in system and Procedural work   |    |
| <b>3. Office Services</b>   | 15 |
| -Meaning and Nature of office services,   |    |
| -Centralized Vs Decentralized Office Services,  |    |
| -Departmental work or categorization of work in office<br>(Modern services and practices to be expected)  |    |
| <b>4. Record Management and Reporting</b>   | 15 |
| -Meaning and Nature of record, Record managing Practices, Filing, Indexing, Manual preparation, Record retentions, Safety Security and Disbursement |    |
| Reporting: Meaning of reporting, Report Preparation, Report writing, Contents writing and Report submission/Presentation.                           |    |
| <b>5. EDP Environment for Effective Office Management</b>   | 15 |
| -Need and requirement of EDP Environment, Availability of EDP based modern tools, techniques, devices, hardware, software and Human wares.          |    |
| -Knowledge about Computer, Hardware, Software and its application in day to day office work.  |    |
| -Knowledge about File creation, Folder Creation, Uploading, Downloading, Attachment, Merging, Conversion etc.                                       |    |

**Note : Practicals to be conducted based on curriculum given in semester I and Semester II of Office Management.**

**Practicals :**

- Preparation of Applications.
- Letter -Formal, Informal, Notice Preparation.
- Meeting Agenda
- Meeting Minutes
- Report preparation.
- Preparation of tender, Preparation of quotations,-Comparative Statement, Purchase order, Insurance Proposals, Bank Proposal for loan, credit, Overdraft.
- Report on interview of successful entrepreneur in local area.
- Preparation of different format related to concerned office, Business, Industries
- Preparation of different types of vouchers.
- Formal letters to Government Tax authorities, etc.
- Intimation letters
- Inward & Outward Procedure.
- File mechanism –uploading, downloading, attachment etc.

12/12/18

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**Suggested Reading:**

1. Bhatia, R.C.Principles of Office Management, Lotus Press, New Delhi.
2. Leffingwell and Robbinson: Text book of Office Management, Tata McGraw-Hill
3. Terry, George R: Office Management and Control.
4. Ghosh, Evam Aggarwal: Karyalaya Praband, Sultan Chand & Sons.
5. Duggal, B: Office Management and Commercial Correspondence, Kitab Mahal
6. R.K.Chopra & Ankita Chopra : Office Management, Himalaya Publications.
7. Chetan Srivastav “ Information Technology”,
8. Brien J. “ Management Information System”, Tata McGraw Hills, New Delhi
9. P.K.Taxali” PC Software made simple”, Tata McGraw Hills, New Delhi
10. V.Rajaraman “ Fundamentals of Computer”, Prentice Hall of India, New Delhi
11. Sanders D.H. “ Computers Today”, Tata McGraw Hill
12. Denies Sheila S. “ Microsoft Office Professional for Windows 95”, BPB Publications
13. Amitai Etzioni : Modern Organization.
14. Betty J. : Development in Office Management
15. Brown L. : Effective Business Report Writing
16. Bunker L. : Fundamental of Office Methods and Form Desing.
17. Carl Heyel : Handbook of Office Administration
18. Gaum, Graves and Hoffman : Report Writing
19. Levis H.S. : Office Work and Automation
20. Terry George R.:Office Automation; Office System and Procedures

**DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY**



**CIRCULAR NO.SU/B.Sc./08/2022**

It is hereby inform to all concerned that, the syllabi prepared by the Board of Studies and Ad-hoc Boards with recommendation of the Dean, Faculty of Science & Technology, the Hon'ble Vice-Chancellor has accepted the **following syllabi of Bachelor of Science with Regulation under the scheme of Choice Based Credit & Grading System** in his emergency powers under section 12(7) of the Maharashtra Public Universities Act, 2016 on behalf of the Academic Council as appended herewith.

Sr.No.	Courses	Semester
1.	<b>B.Sc.Electronics(Optional)</b>	<b>Ist and IInd semester (First Year)</b>
2.	<b>B.A./B.Sc.Mathematics(Optional)</b>	<b>Ist and IInd semester (First Year)</b>
3.	<b>B.Sc.Chemistry(Optional)</b>	<b>Ist and IInd semester (First Year)</b>
4.	<b>B.Sc.Physics(Optional)</b>	<b>Ist and IInd semester (First Year)</b>
5.	<b>B.Sc.Analytical Chemistry</b>	<b>Ist and IInd semester (First Year)</b>
6.	<b>B.Sc.Geology (Optional)</b>	<b>Ist to VIth semester (First to Third)</b>

This is effective from the Academic Year 2022-23 and onwards.

All concerned are requested to note the contents of this circular and bring the notice to the students, teachers and staff for their information and necessary action.

University Campus,  
Aurangabad-431 004.  
REF.NO.SU/2022/ 6852-62  
Date:- 10.08.2022.

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*[Signature]*  
**Deputy Registrar,  
Academic Section**

**Copy forwarded with compliments to :-**

- 1] **The Principal of all concerned Colleges,**  
Dr. Babasaheb Ambedkar Marathwada University,
- 2] **The Director, University Network & Information Centre, UNIC, with a request to upload this Circular on University Website.**

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- 2] The Section Officer,[B.Sc.Unit] Examination Branch,Dr.BAMU,A'bad.
- 3] The Programmer [Computer Unit-1] Examinations, Dr.BAMU,A'bad.
- 4] The Programmer [Computer Unit-2] Examinations, Dr.BAMU,A'bad.
- 5] The In-charge,[E-Suvidha Kendra], Rajarshi Shahu Maharaj Pariksha Bhavan, Dr.BAMU,A'bad.
- 6] The Public Relation Officer, Dr.BAMU,A'bad.
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**DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,  
AURANGABAD.**



## **SYLLABUS**

**B. Sc. Chemistry**  
(Semester I to II)

**Choice Based Credit System**

**Effective from : June 2022**

*Dr. Anil G. Shankarwar*  
29/07/22

**(Dr. Anil G. Shankarwar)**  
Chairman BOS Chemistry  
Dr. Babasaheb Ambedkar Marathwada University  
Aurangabad.

*Dr. Babasaheb Ambedkar Marathwada University*  
29/07/22

**Dean**  
Faculty of Science & Technology  
Dr. Babasaheb Ambedkar Marathwada  
University, Aurangabad



# Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

Choice Based Credit System (CBCS) Curriculum  
For

Faculty of Science and Technology

Course Structure and Scheme of Examination

B.Sc. Three Year Undergraduate Degree Program for Chemistry with effect from June 2022

## Semester I

	Course Code	Course Title	Teaching time/week	Credits	Scheme of Examination			
					Max Marks	CIA	UA	Min Marks
Optional I (DSC-1A) Core Courses	CHE-111	Core Course (Theory Paper-I)	2 hours	2	50	10	40	20
	CHE -112	Core Course (Theory Paper-II)	2 hours	2	50	10	40	20
	CHE -121	Lab course 1 (based on CHE -111 and CHE -112 )	3 hours	1.5	50	10	40	20

Total Credits for Semester I : 5.5 ( Theory : 04 ; Laboratory : 1.5 )

## Semester II

	Course Code	Course Title	Teaching time/week	Credits	Scheme of Examination			
					Max Marks	CIA	UA	Min Marks
Optional I (DSC-1B) Core Courses	CHE -211	Core Course (Theory Paper-III )	2 hours	2	50	10	40	20
	CHE -212	Core Course (Theory Paper-IV )	2 hours	2	50	10	40	20
	CHE -221	Lab course 2 (based on CHE -211 and CHE -212 )	3 hours	1.5	50	10	40	20

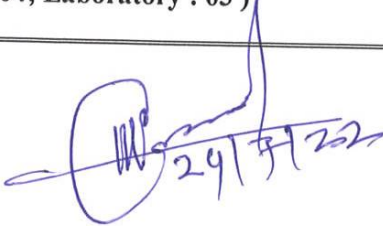
Total Credits for Semester II : 5.5 ( Theory : 04 ; Laboratory : 1.5 )



(Dr. Anil G. Shankarwar)  
Chairman BOS Chemistry  
Dr. Babasaheb Ambedkar Marathwada University  
Aurangabad.



Semester III								
	Course Code	Course Title	Teaching time/week	Credits	Scheme of Examination			
					Max Marks	CIA	UA	Min Marks
Optional I ( DSC-1C) Core Courses	CHE 311	Core Course (Theory Paper-V )	2 hours	2	50	10	40	20
	CHE-312	Core Course (Theory Paper-VI )	2 hours	2	50	10	40	20
	CHE -321	Lab course 3 (based on CHE -311 )	3 hours	1.5	50	10	40	20
	CHE -322	Lab course 4 (based on CHE -312 )	3 hours	1.5	50	10	40	20
<b>Total Credits for Semester III : 07 ( Theory : 04 ; Laboratory : 03 )</b>								

Semester IV								
	Course Code	Course Title	Teaching time/week	Credits	Scheme of Examination			
					Max Marks	CIA	UA	Min Marks
Optional I ( DSC-1D) Core Courses	CHE -411	Core Course (Theory Paper-VII )	2 hours	2	50	10	40	20
	CHE -412	Core Course (Theory Paper-VIII )	2 hours	2	50	10	40	20
	CHE -421	Lab course 4 (based on CHE -411 )	3 hours	1.5	50	10	40	20
	CHE -422	Lab course 5 (based on CHE -412 )	3 hours	1.5	50	10	40	20
<b>Total Credits for Semester IV : 07 ( Theory : 04; Laboratory : 03 )</b>								
								

**Semester V**

	Course Code	Course Title	Teaching time/week	Credits	Scheme of Examination			
					Max Marks	CIA	UA	Min Marks
Optional I ( DSE-1 A ) Discipline Specific Elective	CHE -511	DSE-1A(1) (Theory Paper-IX ) (Select any one paper from A1/B1/C1/D1)	2 hours	2	50	10	40	20
	CHE -512	DSE-1A(2) (Theory Paper-X ) (Select any one paper from A2/B2/C2/D2)	2 hours	2	50	10	40	20
	CHE -521	Lab course 6 (based on CHE -511 )	3 hours	1.5	50	10	40	20
	CHE -522	Lab course 7 (based on CHE -512 )	3 hours	1.5	50	10	40	20

**Total Credits for Semester V : 07 ( Theory : 04 ; Laboratory : 03 )**

**Semester VI**

	Course Code	Course Title	Teaching time/week	Credits	Scheme of Examination			
					Max Marks	CIA	UA	Min Marks
Optional I ( DSE-1 B ) Discipline Specific Elective	CHE -611	DSE-1B(1) (Theory Paper-XI ) (Select any one paper from A1/B1/C1/D1)	2 hours	2	50	10	40	20
	CHE -612	DSE-1B(2) (Theory Paper-XII ) (Select any one paper from A2/B2/C2/D2)	2 hours	2	50	10	40	20
	CHE -621	Lab course 8 (based on CHE -611 )	3 hours	1.5	50	10	40	20
	CHE -622	Lab course 9 (based on CHE -612 )	3 hours	1.5	50	10	40	20

**Total Credits for Semester VI : 07 ( Theory : 04 ; Laboratory : 03 )**

**Total Credits for three years: Sem. I ( 05.5 ) + Sem. II ( 05.5 ) + Sem. III ( 07 ) + Sem. IV ( 07 ) + Sem. V ( 07 ) + Sem. VI ( 07 ) = 39 Credits**

*Anil G. Shankarwar*  
**(Dr. Anil G. Shankarwar)**  
 Chairman BOS Chemistry  
 Babasaheb Ambedkar Marathwada University  
 Aurangabad.

*20/11/22*



Important Notes:

- i) **Nomenclature:** DSC- Discipline Specific Core course, SEC – Skill Enhancement Course, AECC- Ability Enhancement compulsory course, DSE- Discipline Specific Elective, UA- University Assessment ( Semester End), CIA- Continuous Internal Assessment
- ii) **Assessment:** 80% for University Assessment ( Semester End Examination) and 20 % for Continuous Internal Assessment ( CIA)
- iii) Continuous Internal Assessment (CIA): **Theory** (10 Marks): Internal Test 05 Marks (Two Internal Tests of 05 marks each and average of the two test will be considered) and 05 Marks for Assignment/tutorials.
- iv) Continuous Internal Assessment ( CIA): **Practical** ( 10 Marks): 07 Marks for Internal Practical Examination and 03 Marks for record book/submission of collection and field survey report and excursion report
- v) Practical examination : Annual examination

**CHE – 111**  
**(Inorganic Chemistry)**  
**(Theory Credits: 02, Lectures-45)**

**Unit I: Atomic Structure and Periodicity of Elements (13 Lecturers)**

Bohr's theory and its limitations. Idea of de-Broglie matter waves.

Heisenberg uncertainty principle. Quantum numbers and its types.

Significance of quantum numbers. Shapes of s, p and d atomic orbitals, nodal planes.

Rules for filling electrons rules in various orbitals: i) Aufbau's principle

ii) Hund's rule of maximum multiplicity iii) Pauli's exclusion principle

Electronic configuration of elements from Hydrogen to Zinc.

Stability of empty, half-filled and completely filled orbitals

Definition and trends in Periodic table of the following properties:

i) Atomic radii and ionic radii ii) Ionization energy iii) Electron affinity

iv) Electronegativity

Factors affecting ionization energy.

Pauling's and Mulliken's scale of electronegativity.

**Unit II: Chemical Bonding and Molecular structure (I) Ionic Bonding (10 Lectures)**

Definition and general characteristics of ionic bonding. Factors affecting on an Ionic bond formation. Lattice energy, solvation energy and their importance.

Born Lande equation (no derivation) to calculate lattice energy. Born-Haber cycle for NaCl and its applications

Fajan's Rule, Applications of Fajan's rule for,

- Polarizing power and polarizability
- Ionic character in covalent compounds
- Dipole moment and percentage ionic character

**Unit III: Chemical Bonding and Molecular structure (II) covalent Bonding**  
**(12 Lectures)**

Concept of hybridization, different types of hybridization and geometry of following molecules on the basis of Valence bond theory.

- Linear geometry-  $\text{BeCl}_2$  (  $sp$  hybridization )
- Planer trigonal geometry-  $\text{BF}_3$  ( $sp^2$  hybridization)
- Tetrahedral geometry-  $\text{SiCl}_4$  ( $sp^3$  hybridization)
- Trigonal bipyramidal geometry-  $\text{PCl}_5$  ( $sp^3d$  hybridization)
- Octahedral geometry-  $\text{SF}_6$  (  $sp^3d^2$  hybridization )
- Pentagonal bipyramidal geometry - $\text{IF}_7$  (  $sp^3d^3$  hybridization)

VSEPR theory: Assumptions of theory. Explain the geometry of following irregular molecules on the basis of VSEPR theory.

- Linear geometry-  $\text{XeF}_2$  (  $sp^3d$  hybridization )
- T-shaped geometry-  $\text{ClF}_3$  ( $sp^3d$  hybridization)
- Irregular tetrahedral geometry-  $\text{SF}_4$  ( $sp^3d^2$  hybridization)
- Square pyramidal geometry-  $\text{IF}_5$  ( $sp^3d^2$  hybridization)

**Unit IV: Chemical Bonding and Molecular structure (III) Molecular orbital theory (MOT)**  
**(10 Lectures)**

Rules for the LCAO method. Formation of bonding, antibonding and nonbonding molecular orbitals. Types of overlaps – s-s, s-p and p-p combinations of atomic orbitals. Energy level sequence for molecular orbital when  $n=1$  &  $2$ . MO diagrams for homonuclear diatomic molecule of I & II periods. i.e. ( $\text{He}_2$ ,  $\text{Li}_2$ ,  $\text{B}_2$ ,  $\text{N}_2$ ,  $\text{O}_2$ ). Molecular orbital diagrams for heteroatomic diatomic molecules. ( $\text{CO}$ ,  $\text{NO}$ )

Bond order and its significance.



**Reference Books:**

- 1) Lee, J.D. Concise Inorganic Chemistry ELBS, 1991.
- 2) Cotton, F.A., Wilkinson, G. & Gaus, P.L. Basic Inorganic Chemistry, 3rd ed., Wiley.
- 3) Douglas, B.E., McDaniel, D.H. & Alexander, J.J. Concepts and Models in Inorganic Chemistry, John Wiley Sons.
- 4) Huheey, J.E., Keiter, E.A., Keiter, R.L. & Medhi, O.K. Inorganic Chemistry: Principles of Structure and Reactivity, Pearson Education India, 2006.
- 5) Puri, Sharma, Kalia. Principles of Inorganic Chemistry
- 6) Madan R. L. Chemistry for Degree Students (B . Sc. First year), S. Chand Publications

**CHE – 112**  
**(Organic Chemistry)**  
**(Theory Credits: 02, Lectures-45)**

**Unit-I : Fundamentals of Organic Reaction mechanism (7 Lectures)**

Electronic Displacements: Inductive Effect, Electromeric Effect, Resonance and Hyperconjugation. Cleavage of Bonds: Homolysis and Heterolysis. Structure, shape and reactivity of organic molecules: Nucleophiles and electrophiles. Reactive Intermediates: formation, structure, reactivity and stability of Carbocations, Carbanions and free radicals. Strength of organic acids and bases: Comparative study with emphasis on factors affecting pK values.

**Unit-II : Isomerism and Stereochemistry (10 Lectures)**

Concept of isomerism, type, (Structural chain, position, functional group) Representation of organic Molecules – zig- zag structures, projection formulae – (Saw horse ( Andiron), Newman, Fisher & Dotted – wedge). Interconversion of Wedge Formula, Newmann, Sawhorse and Fischer representations. Concept of chirality (upto two carbon atoms). Elements of symmetry, Configuration: Geometrical and Optical isomerism; Enantiomerism, Diastereomerism and Meso compounds). Threo and erythro; D and L; cis – trans nomenclature; CIP Rules: R/ S and E / Z Nomenclature.

**Unit-III : Benzene & its Reactions (6 Lectures)**

Aromaticity: Benzenoids and Hückel's rule, Structure of benzene, Kekule structure, stability of benzene, Reactions of benzene, aromatic character, Huckel rule, Nomenclature of benzene derivatives, sulphonation, halogenation, Friedel – Crafts reactions of benzene.

**Unit-IV : Alkyl and Aryl Halides (10 Lectures)**

**Alkyl Halides** (Upto 5 Carbons) Types of Nucleophilic Substitution ( $SN^1$ ,  $SN^2$  and  $SN^i$ ) reactions. Preparation: from alkenes and alcohols.

**Reactions:** hydrolysis, nitrite & nitro formation, nitrile & isonitrile formation. Williamson's ether synthesis: Elimination v/s substitution.

**Aryl Halides** Preparation: (Chloro, bromo and iodo-benzene case): from phenol, Sandmeyer & Gattermann reactions. Reactions (Chlorobenzene): Aromatic nucleophilic substitution (replacement by  $-OH$  group) and effect of nitro substituent. Benzyne Mechanism:  $KNH_2/NH_3$  (or  $NaNH_2/NH_3$ ). Reactivity and Relative strength of C-Halogen bond in alkyl, allyl, benzyl, vinyl and aryl halides.

### Unit-V : Alcohols, Phenols

(12 Lectures)

**Alcohols:** Preparation: Preparation of  $1^\circ$ ,  $2^\circ$  and  $3^\circ$  alcohols: using Grignard reagent, Ester hydrolysis, Reduction of aldehydes, ketones, carboxylic acid and esters.

Reactions: With sodium, HX (Lucas test), esterification, oxidation (with PCC, alk.  $KMnO_4$ , acidic dichromate, conc.  $HNO_3$ ). Oppeneauer oxidation Diols: (Upto 6 Carbons) oxidation of diols. Pinacol-Pinacolone rearrangement.

**Phenols:** Preparation: Cumene hydroperoxide method, from diazonium salts.

Reactions with mechanism: Electrophilic substitution: Nitration, halogenation and sulphonation. Reimer-Tiemann Reaction, Gattermann-Koch Reaction, Houben-Hoesch Condensation, Schotten-Baumann Reaction.

### Reference Books

1. Graham Solomon, T.W., Fryhle, C.B. & Snyder, S.A. Organic Chemistry, John Wiley & Sons (2014).
2. McMurry, J.E. Fundamentals of Organic Chemistry, 7th Ed. Cengage Learning India Edition, 2013.
3. Sykes, P. A Guidebook to Mechanism in Organic Chemistry, Orient Longman, New Delhi (1988).
4. Finar, I.L. Organic Chemistry (Vol. I & II), E.L.B.S.
5. Morrison, R.T. & Boyd, R.N. Organic Chemistry, Pearson, 2010.
6. Bahl, A. & Bahl, B.S. Advanced Organic Chemistry, S. Chand, 2010.
7. Organic Chemistry by Pine, 5th edition.



8. Organic Chemistry Vol. I, II and III by Mukharjee, Singh and Kapoor-Wiley Eastern.
9. Organic Chemistry by S.K. Ghosh.
10. Reaction Mechanism in Organic Chemistry by S.M. Mukharjee and S.P. Singh.
11. Stereochemistry and mechanism through solved problems by P.S. Kalsi.
12. Organic reactions and their mechanism by P S Kalsi –New age.
13. The Art of Writing Reasonable Organic Reaction Mechanisms by Grossman, Robert B
14. Organic chemistry, By Raj K Bansal
15. Eliel, E.L. Stereochemistry of Carbon Compounds, Tata McGraw Hill education, 2000
16. Text book of Organic Chemistry by P.S. Kalsi published by Macmillan India Ltd., 1999, Delhi.

**CHE – 121**  
**Laboratory Course – 1**  
**(Credits 1.5: 3 hours per week)**  
**(Lectures- 04 per week)**

**Inorganic chemistry**

Semi micro qualitative analysis of inorganic salt mixture containing two acidic radicals and two basic radicals of same or different groups.

Analysis of basic radicals to be done by using spot test reagents.

Following radicals to be given carbonate, nitrite, sulphite, sulphide, chloride, bromide, iodide, nitrate and sulphate, silver(I), copper(II), bismuth(III), cadmium(II), tin(II), arsenic(III), antimony(III), iron(III), chromium(III), aluminium(III), nickel(II), cobalt(II), manganese(II), zinc(II), calcium(II), strontium(II), barium(II), magnesium(II).

**Volumetric Analysis**

1. Estimation of sodium carbonate and sodium hydrogen carbonate present in a mixture.
2. Estimation of oxalic acid by titrating it with  $\text{KMnO}_4$ .
3. Estimation of water of crystallization in Mohr's salt by titrating with  $\text{KMnO}_4$ .
4. Estimation of Fe (II) ions by titrating it with  $\text{K}_2\text{Cr}_2\text{O}_7$  using internal indicator.
5. Estimation of Cu (II) ions iodometrically using  $\text{Na}_2\text{S}_2\text{O}_3$ .

**Organic Chemistry**

1. Organic Qualitative Analysis: Detection of physical constant, type, functional group, elements, and Confirmatory test.
  - a) Acids: Oxalic acid, Benzoic acid, cinnamic acid
  - b) Phenols: Beta-Naphthol, Resorcinol
  - c) Base: Aniline, p-Nitroaniline
  - d) Neutral: Acetone, Acetanilide, Chloroform, m-Dinitrobenzene, Thiourea, Bromobenzene

### **Organic Preparations**

1. Preparation of acetanilide (Acetylation).
2. Preparation of Benzanilide (Benzoylation).
3. Preparation of m-di-Nitrobenzene (Nitration).
4. Preparation of tri-Bromoaniline from Aniline (Bromination).
5. Preparation of Benzoic acid from Benzamide (Hydrolysis).
6. Preparation of phenylazo –  $\beta$  – naphthol dye (Diazotisation).

### **Reference Books for Practical's**

1. Practical Organic Chemistry by F.G. Mann, B.C. Saunders, Orient Longman.
2. Comparative Practical Organic Chemistry (Qualitative Analysis) by V.K. Ahluwalia and Sunita Dhingra, Orient Longman.
3. Comprehensive Practical Organic Chemistry (Preparation and Qualitative Analysis) by V.K. Ahluwalia and Renu Agrawal, Orient Longman.
4. Vogel, A.I., Tatchell, A.R., Furnis, B.S., Hannaford, A.J. & Smith, P.W.G., Textbook of Practical Organic Chemistry, Prentice-Hall, 5th edition, 1996.
5. Mann, F.G. & Saunders, B.C. Practical Organic Chemistry Orient-Longman, 1960.
6. Svehla, G. Vogel's Qualitative Inorganic Analysis, Pearson Education, 2012
7. Advanced Practical Inorganic Chemistry by Gurdeep Raj, Goel Publishing House, Meerut.



**CHE – 211**  
**(Physical Chemistry)**  
**(Theory Credits: 02, Lectures-45)**

**Unit-I : Chemical Energetics: (12 Lectures)**

**A) Thermodynamics**

Basic concepts of thermodynamics: system, surrounding, boundary. Types of systems. State & path functions. Thermodynamic processes. Intensive & Extensive properties. First law of thermodynamics. Spontaneous & nonspontaneous processes. Statements of second law of thermodynamics. Carnot's cycle and its efficiency. Entropy, physical significance of entropy. Third law of thermodynamics. Calculation of absolute entropies of substances.

**B) Thermochemistry**

Concept of standard state, standard enthalpy of formation. Hess's law of constant heat summation and its applications. Bond dissociation energy and its calculations from thermochemical data. Temperature dependence of enthalpy- Kirchoff's equation.

**Unit-II: Chemical Equilibrium: (08 Lectures)**

Free energy change in chemical reactions. Thermodynamic derivation of the law of chemical equilibrium. Relation between  $K_p$ ,  $K_c$  and  $K_x$  for reactions involving ideal gases. Le Chatelier's principle.

**Unit-III: Gaseous State: (10 Lectures)**

Postulates of kinetic theory of gases and derivation of the kinetic gas equation. Deduction of gas laws; Boyle's law, Charles's law, Graham's law of diffusion, Avogadro's hypothesis, deviation of real gases from ideal behavior, Vanderwall's equation of state for real gases. Critical phenomenon; PV isotherms of real gases.

**Unit –IV: Chemical Kinetics****(15 Lectures)**

Rate of reaction, Definition and units of rate constant, Factors affecting rate of reaction. (Nature of reactant, Concentration, pressure, temperature and catalyst.) Order and Molecularity of reaction, Zero-order reaction, First order reaction, Characteristics of first-order reaction, examples. Pseudo-unimolecular reactions, examples. Second order reaction: Derivation of rate constant for equal and unequal concentration of the reactants. Characteristics of Second order reaction, Numerical on First order and second order reactions. Arrhenius equation, Concept of energy of activation.

**Reference Books:**

1. Principles of Physical Chemistry Puri, Sharma and Pathania, Vishal Publishing House, 44th Edition
2. Advanced Physical Chemistry Gurdeep Raj GOEL Publishing House, 6<sup>th</sup> Edition
3. Essentials of Physical Chemistry, Bahl, Tuli and Bahl
4. Text Book of Physical Chemistry, Soni and Dharmarha
5. Essentials of Nuclear Chemistry by H J Arnikar, New Age, 4th edition.
6. Mathematical preparation of Physical Chemistry : F. Daniel ,Mc-Graw Hill Book Company Ltd.
7. Elements of Physical Chemistry : S. Glasstone and D. Lewis (D. Van Nostrand Co.Inc)
8. Physical Chemistry : W. J. Moore (Orient Longman)
9. Principles of Physical Chemistry : Maron Prutton
10. University Chemistry : B. H. Mahan (Addision - Weseley Publ. Co.)
11. Chemistry for Degree students(B. Sc. First Year): R L Madan (S. Chand and Company)

**CHE – 212**  
**(Applied Chemistry)**  
**(Theory Credits: 02, Lectures-45)**

**Unit-I : Basic principles of Chromatography (10 Lectures)**

Introduction, Basic Principle of Chromatography, Basic terms, Classification of Chromatography.

Paper Chromatography- Principle, types of paper chromatography. Treatment of sample loading, choice of solvent, development of ascending, descending, circular chromatography, location of spots, determination of R<sub>f</sub> value, Applications, advantages and disadvantages.

Thin layer chromatography; Principle, Solvent system, stationary phases, preparation of TLC plate, Detecting reagents, methodology-sample loading, development, detection of spot, R<sub>f</sub> value, Applications, advantages and disadvantages. Comparison of paper chromatography and TLC

**Unit-II : Study of Drugs (8 Lectures)**

Introduction and classification of drugs. Properties of ideal drug. Synthesis and properties of aspirin, paracetamol, ibuprofen and chloromycetin.

**Unit-III: Study of Glass (08 Lectures)**

Introduction, physical properties of glass. Chemical properties of glass. Characteristics of glass. Raw materials used in the manufacture of glass. Process of manufacture of glass. Varieties of glass.

**Unit-IV: Principle and Applications of Ultraviolet Spectroscopy (12 Lectures)**

Introduction, Theory of electronic Spectroscopy, Types of electronic transitions, Transition probability, Concept of Chromophore, Auxochrome, absorption and intensity shifts, Absorption bands, Conjugated dienes, Woodward-Fieser rules for calculating absorption maximum in dienes,  $\alpha - \beta$  unsaturated carbonyl compounds (Simple examples), Applications of UV-Spectroscopy



**Unit-V: Analysis of Fertilizers:****(07 Lectures)**

Introduction. Types of fertilizers. Necessity and requirements of good fertilizers. Sampling and sample preparation. Analysis of Nitrogen by Kjeldahl's method. Analysis of Phosphorus by phosphomolybdate method. Analysis of Potassium by sodium tetraphenyl borate method

**References:**

1. Textbook of quantitative Inorganic analysis-A.I. Vogel
2. Instrumental methods of Chemical analysis-H. Kaur
3. Instrumental methods of Chemical analysis-B.K. Sharma
4. Instrumental methods of Chemical analysis-Chatwal Anand
5. Fundamental of analytical Chemistry-Skoog and West
6. Basic Concepts of analytical Chemistry-S.M. Khopkar
7. Analytical Chemistry-Alka Gupta ( Pragati Prakashan)
8. Indian Pharmacopoeia
9. Chromatography-H. Kaur

**CHE – 221**  
**Laboratory Course – 2**  
**(Credits 1.5: 3 Hour per week)**  
**(Lectures- 04 per week)**

**Physical Chemistry**

1. Determination of heat capacity of calorimeter for different volumes.
2. Determination of enthalpy of neutralization of hydrochloric acid with sodium hydroxide.
3. Determination of enthalpy of ionization of acetic acid.
4. Determination of integral enthalpy of solution of salts ( $\text{KNO}_3$ ,  $\text{NH}_4\text{Cl}$ ).
5. Determination of enthalpy of hydration of copper sulphate.
6. Study of the solubility of benzoic acid in water and determination of  $\Delta H$ .
7. Determination of Equivalent weight of mg by Eudiometer
8. To Determine Viscosity of given liquid (Water / Ethanol) by viscometer.
9. To determine surface tension of given liquid by Staganometer.
10. Chemical Kinetics: To study the effect of acid strength on the hydrolysis of an ester.

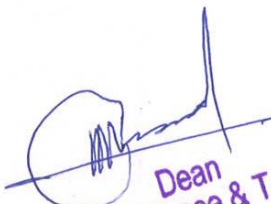
**Applied Chemistry**

**Separation of mixtures by Chromatography:**

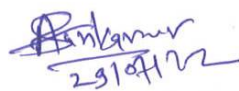
- a) Measure the  $R_f$  value in each case (combination of two compounds to be given)
  1. Identify and separate the components of a given mixture of two amino acids (glycine, aspartic acid, glutamic acid, tyrosine or any other amino acid) by paper chromatography.
  2. Identify and separate the cations by Paper Chromatographic technique from the following mixtures :
    - a)  $\text{Ni}^{+2} + \text{Cu}^{+2}$
    - b)  $\text{Ni}^{+2} + \text{Co}^{+2}$

**Reference Books:**

- 1) Practical Physical Chemistry: Palit and De.
- 2) Practical Physical Chemistry: Yadav.
- 3) Practical Physical Chemistry: Khosla.
- 4) Khosla, B. D.; Garg, V. C. & Gulati, A. Senior Practical Physical Chemistry, R. Chand & Co.: New Delhi (2011).
- 5) Advanced Practical Inorganic Chemistry by Gurdeep Raj, Goel Publishing House, Meerut.
- 6) Systematic Practical Physical Chemistry by Prof. S. W. Rajbhoj and Dr. T. K. Chondekar, Anjali Publication, Aurangabad.



Dean  
Faculty of Science & Technology  
Dr. Babasaheb Ambedkar Marathwada  
University, Aurangabad



(Dr. Anil G. Shankarwar)  
Chairman BOS Chemistry  
Dr. Babasaheb Ambedkar Marathwada University  
Aurangabad.



Circular file

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**DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY****CIRCULAR NO.SU/Commerce & Management/ IV Sem./21/2019**

It is hereby inform to all concerned that, on the recommendation of the Dean, Faculty of Commerce & Management, the Hon'ble Vice-Chancellor in his emergency powers under section-12(7) of the Maharashtra Public Universities Act, 2016 has accepted the syllabi of **B.Com., BBA & BCA IV Sem.** under Choice Based Credit and Grading System on behalf of the Academic Council to be applied from the Academic Year 2019-2020 and onwards. The said syllabi are also available on [bamu.ac.in](http://bamu.ac.in) on University website.

All concerned are requested to note the contents of this circular and bring notice to the students, teachers and staff for their information and necessary action.

University Campus,  
Aurangabad-431 004.

REF.NO. SU/ COMMERCE/2019-20

4388-4638

Date:- 15-11-2019.

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*Deputy Registrar,  
Syllabus Section.*

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**Copy forwarded with compliments to :-**

- 1] **The Principals, affiliated concerned Colleges, Dr. Babasaheb Ambedkar Marathwada University.**
- 2] **The Director, University Network & Information Centre, UNIC, with a request to upload this Circular along with the said syllabi on University Website.**

**Copy to :-**

- 1] The Director, Board of Examination & Evaluation,
- 2] **The Section Officer, [ B.Com. Unit ] Examination Branch,**
- 3] **The Programmer [Computer Unit-1] Examinations,**
- 4] **The Programmer [Computer Unit-2] Examinations,**
- 5] The In-charge, [E-Suvidha Kendra], Rajarshi Shahu Maharaj Pariksha Bhavan, Dr. Babasaheb Ambekar Marathwada University.
- 6] The Public Relation Officer,
- 7] The Record Keeper.

**DR. BABASAHEB AMBEDKAR  
MARATHWADA UNIVERSITY,  
AURANGABAD.**



Curriculum of

Bachelor of Commerce

B.COM.IIND YEAR

FOURTH SEMESTER

under Choice Based Credit & Grading System

*[ Effective from the Academic Year 2019-20 & onwards ]*

## Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

## B.com Fourth Semester Structure ( 2019 – 2020 )

## Faculty of Commerce &amp; Management

Paper Number	Subject/ Title of the Paper	Course	Weekly		Credits		IA	UA	Total Marks	Duration of Theory Exam
			Th	Pr	Th	Pr				
I	English	Compulsory Language	4	-	4	-	20	80	100	3 Hrs
II	Second Language	Second Language	4	-	4	-	20	80	100	3 Hrs
III	Corporate Account – II	Core Discipline	4	-	4	-	20	80	100	3 Hrs
IV	Cost Accounting – II	Core Discipline	4	-	4	-	20	80	100	3 Hrs
V	<i>I.T. Application in Business – II</i>	Core Discipline (Theory)	3	-	2	-	-	50	50	2 Hrs
		Practical	-	1	-	2	-	50	50	2 Hrs
VI	<i>Goods and Services Tax – II (GST)</i>	Ability Enhancement Compulsory	4	-	4	-	20	80	100	3 Hrs
VII	1. Insurance <b>or</b> 2. Human Resource Management <b>or</b> 3. Import Export Procedure & Practice <b>or</b> 4. Business Environment.	Discipline Specific Elective [Any One]	4	-	4	-	20	80	100	3 Hrs
<b>Total</b>			<b>27</b>	<b>01</b>	<b>26</b>	<b>02</b>	<b>120</b>	<b>580</b>	<b>700</b>	<b>--</b>

\*Note:- As per UGC norms one theory lecture is equal to two practicals.



**B.Com IV<sup>th</sup> Semester Syllabus (CBCS)  
Corporate Accounting –II**

<b>Total Marks</b>	<b>100</b>
<b>Theory</b>	<b>80</b>
<b>Sessional</b>	<b>20</b>

		No. of Lectures
<b>Unit-I :</b>	<b>Amalgamation of Joint Stock Company</b>  Purchase consideration, closing entries in the books of dissolving company, Acquisition entries and Opening Balance Sheet of New Company after Amalgamation	<b>12</b>
<b>Unit-II :</b>	<b>Absorption of Joint Stock Company</b>  Purchase consideration, Ledger accounts in the books of Absorbed (Dissolved) company, Acquisition entries in the books of Absorbing Company, Balance Sheet after Absorption	<b>11</b>
<b>Unit-III:</b>	<b>Reconstruction of Joint Stock Company</b>  Internal Reconstruction only	<b>10</b>
<b>Unit-IV:</b>	<b>Accounts of Holding Company (with one subsidiary)</b>  Pre - Post Acquisition Profit, Reserve, Pre-Post Acquisition Loss, Inter-Company Debentures and Debts, Unrealized Profit, Consolidated Balance Sheet	<b>15</b>
<b>Unit-V:</b>	<b>Liquidation of Joint Stock Company</b>  Solvent and Insolvent Company, Remuneration of Liquidator- Fixed, on Asset Realized, Preferential Creditors, Unsecured Creditors etc	<b>12</b>

**Reference Books**

1. Maheshwari S.N. : Corporate Accounting
2. Shukla M.C.& Grewal T.S. : Advanced Accounts
3. Mahurkar & Deshpande : Accountancy – I
4. Kolalwar H.R. : New Approach to Accountancy
5. Jain & Narang : Advanced Accountancy

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**B.Com IV<sup>th</sup> Semester Syllabus (CBCS)  
Cost Accounting – II**

<b>Total Marks</b>	<b>100</b>
<b>Theory</b>	<b>80</b>
<b>Sessional</b>	<b>20</b>

		No. of Lectures
<b>Unit – I</b>	<b>Single or Output Costing:</b> Meaning, Definition, Features, Objectives, Element of Cost, Distribution of Overhead, Preparation of Cost Sheet, Tender and Quotation. <span style="float: right;"><b>(Theory)</b></span>	<b>( 10 )</b>
<b>Unit – II</b>	<b>Contract Costing :</b> Meaning, Concept of Contract Costing, Preparation of Contract Account, Complete and Incomplete Contracts, Work in Progress, Profit on Contract <span style="float: right;"><b>(Numerical)</b></span>	<b>( 08 )</b>
<b>Unit – III</b>	<b>Operating Costing or Service Costing:</b> Meaning of Operating Costing, Types of Operating Costing, Preparation of Electricity and Transport Cost Sheet. <span style="float: right;"><b>(Numerical)</b></span>	<b>( 14 )</b>
<b>Unit – IV</b>	<b>Process Costing :</b> Meaning of Process Costing, Concept of Process Costing, Normal and Abnormal Gain, Loss, Equivalent Production, Preparation of Process Costing, Joint and By-product <span style="float: right;"><b>(Theory/ Numerical)</b></span>	<b>( 14 )</b>
<b>Unit – V</b>	<b>Reconciliation :</b> Meaning, Objectives and Advantages of reconciliation, Reconciliation of Cost accounting records with Financial record. Procedure of Reconciliation, Methods of Reconciliation, <span style="float: right;"><b>(Theory)</b></span>	<b>( 14 )</b>
	<b>Sessional Work : 20 Marks</b>	
	1. One Test : 05 Marks	
	2. One Tutorial : 05 Marks	
	3. Seminar and GD : 10 Marks	

**Reference Books :**

1. Practical Costing : Khanna, Pande and Ahuja
2. Cost Accounting : Bhatia HSM
3. Principles & Practices of Cost Accounting : N. K. Praasad
4. Cost Accounting ( Methods & Problems ) : B. K. Bhar
5. Fundamental of Costing : S. N. Maheshwari.

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**B.Com IV<sup>th</sup> Semester Syllabus (CBCS)  
I.T. Application in Business – II**

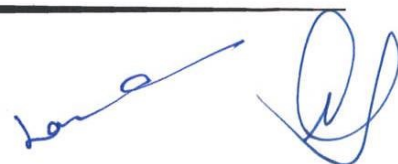
**Total Marks      100**  
**Theory                    50**  
**Practical                50**

		<b>Lectures</b>
<b>Unit – I</b>	<b>Introduction to E-commerce</b> : E-Commerce- An Overview, Electronic Commerce Framework, Evolution of E-commerce: History of Electronic Commerce, Advantages and Disadvantage of E-commerce, Roadmap of e-commerce in India, E-Business : Definition, E-Business Models, Elements of E-business Models	<b>12</b>
<b>Unit – II</b>	<b>E-Marketplaces</b> Definition & Structure of E-Marketplace, Types of E-Marketplace, Types of Auctions and its Characteristics, Benefits ,Limitations and impact of Auctions, E-Commerce in the wireless environment.	<b>09</b>
<b>Unit – III</b>	<b>E-Business Applications and E-Payment Systems</b> :Integration & E-Business Suits, ERP-Overview of Software Solutions, ERP Implementation, Methodology and Framework, CRM, E-Payment, Categories and users of smart cards, Different Digital Payment methods	<b>12</b>
<b>Unit – IV</b>	<b>E-Business Impact on Different Fields and Industries</b> : E-Business Impacts : E-Tourism, Online Employment and Job Market, online Real Estate, Online Publishing & E-Books, Online Banking, Online Delivery of Digital Products, Entertainment and Media <b>E- Government</b> : Definition of E-Government, implementation, E-Government Services, Challenges & Opportunities, Benefits of E-Government	<b>12</b>
<b>Practical</b>	<ol style="list-style-type: none"> <li>Students Shall Prepare a report on growth of E-Commerce in India from an authenticate source</li> <li>Students shall list out Top B2B websites.</li> <li>Students shall list out Top B2C websites.</li> <li>Students shall list out E-Commerce websites whose advertisement is Aired on TV.</li> <li>Students Should study the various payment methods &amp; gateways available on E-commerce websites.</li> <li>Preparing a model purchase order on Amazon.com/Flipkart.com</li> <li>Model Railway ticket booking on IRCTC</li> <li>Filing Online applications for various scholarships and concessions</li> <li>Online application for Banking purpose like Bank Account, Loan, Fund transfer, Insurance Policy etc</li> <li>Online Application for job using <a href="http://www.Nokari.com">www.Nokari.com</a> or any other job portal</li> <li>Online Movie ticket Booking using <a href="http://www.Bookmyshow.com">www.Bookmyshow.com</a> or any other booking portal</li> </ol>	<b>15</b>
	<b>Practicals U/A : 50 Marks</b> <ol style="list-style-type: none"> <li>Test : 10 Marks</li> <li>Oral : 20 Marks</li> <li>Practical File : 20 Marks</li> </ol>	

**Reference Books:**

- Electronic Commerce: A Managerial Perspective, Turban, E. et al., Prentice Hall 2008.
- Electronic Business and Electronic Commerce Management, 2<sup>nd</sup> edition, Dave Chaffey, Prentice Hall, 2006
- Alexon Leon, ERP Demystified , Second Edition, TATA McGraw Hill 2008
- David Whiteley,"E-Commerce", TATA McGraw Hill
- Ravi Kalakota"E-Commerce", Pearson Education

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**B.Com IV<sup>th</sup> Semester Syllabus (CBCS)  
Goods and Services Tax ( GST ) – II**

<b>Total Marks</b>	<b>100</b>
<b>Theory</b>	<b>80</b>
<b>Sessional</b>	<b>20</b>

		<b>Lectures</b>
<b>Unit – I</b>	<b>Documents, Accounts &amp; Records, Returns under GST:</b> 1.1 Tax Invoice, Credit & Debit Notes. 1.2 Accounts and other records to be maintained. 1.3 Types of GST returns, 1.4 Particulars to be furnished in the Returns, their due dates, late filing, late fee. 1.5 Annual Return and Audit under GST.	<b>15</b>
<b>Unit – II</b>	<b>Composition Scheme under GST:</b> 2.1 Provision of Composition Scheme, Eligibility criterion for opting the scheme. 2.2 Comparative analysis and Decision making under Regular and Composition scheme. 2.3 Withdrawal from Composition Scheme	<b>15</b>
<b>Unit – III</b>	<b>Reverse Charge Mechanism under GST:</b> 3.1 Provision of Reverse Charge Mechanism (RCM). 3.2 Services covered under RCM. 3.3 Difference between RCM and Tax on URD. 3.4 Provisions of Self Invoicing and ITC under RCM.	<b>15</b>
<b>Unit – IV</b>	<b>Others:</b> 4.1 Overview of Schedule Entries and Tariffs under GST 4.2 E-Way Bill Procedure. 4.3 GST for E-Commerce Operators. 4.4 GST for Import, Export and SEZ Transactions. 4.5 Accounting Entries (Journal entries, Ledger Posting) of all GST Transactions. 4.6 Overview of Assessment, Demand, Recoveries and Penalties under GST.	<b>15</b>
	<b>Note:</b> Practicals should be taken as per the requirement of the Units. College can take decision on their own. <b>Important Instructions for teachers:</b> 1. Student should be able to understand basic concepts of GST 2. It should be kept in mind that student should be able to apply the concepts into practical application. 3. Teacher should frame numerical problems according to the contents given in the above units of curriculum.	

**Reference Books :**

- Beginner's Guide to GST; By CA Kamal Garg, Neeraj Kumar Sehrawat; Bharat Law House*
- Systematic Approach to GST; By Dr. Grish Ahuja & Dr. Ravi Gupta; Flair Publication Pvt. Ltd.*
- Indirect Tax Law and Practice; V.S. Datey; Taxmann Publications Pvt. Ltd., Delhi.*
- Students' Guide to Indirect Taxes, Dr. V. K. Singhania Vinod and Monica Singhania, Taxmann Publications Pvt. Ltd., Delhi.*
- GST for Beginners; Asst. Prof. Rathi S. G.; Aastha Educational Publishers Jalna.*

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**B.Com IV<sup>th</sup> Semester Syllabus (CBCS)  
Insurance ( Elective )**

**Total Marks**      **100**  
**Theory**                **80**  
**Sessional**           **20**

		No. of Lectures
<b>Unit</b> - I	<b>Introduction to Insurance</b> Insurance: History, Meaning, Definitions, Features, Functions, Scope, Types, Principles, Importance, Contract of insurance, Insurable Risk and its Types	<b>12</b>
<b>Unit</b> - II	<b>Life Insurance</b> Life Insurance: History, Meaning Definitions, Principles, Importance, Types, Procedure of taking life insurance policy, Policy conditions and claims, life Insurance Corporation of India.	<b>12</b>
<b>Unit</b> - III	<b>General Insurance</b> General Insurance: History & Types (Marine, Fire, Motor, Health, Accident, Crop, Group Insurance, etc.)	<b>10</b>
<b>Unit</b> - IV	<b>Insurance Agency</b> Agent, Agent's qualification, procedure for becoming an Agent, Methods of Agent's Remuneration, Functions and Responsibilities of Agent, Ethical behaviors of Agent, Renewal and Cancellation of license.	<b>12</b>
<b>Unit</b> - V	<b>Recent Trends in Insurance Sector</b> Functional areas of IT in insurance sector (Marketing, Consumer Awareness, Customer Service, Finance, HRM, R&D, MIS Regulatory Control), Benefits and Factors affecting of e-insurance, IT and life Insurance Corporation of India: Online Insurance, Channels of online Insurance Premium Payments, Benefits of online insurance purchase, Procedure of purchase Online Insurance Policy, Unit linked Insurance Plan (ULIP)	<b>14</b>
	<b>Practical's:</b> 1 Collecting and identifying the features of various products of insurance (Life and General) (05 marks) 2 Evaluating a insurance policy by approaching any insurance office. (05 marks) 3 Report of one guest lecture of insurance agent (05 marks) 4 Evaluating various websites of insurance companies (05 marks)	

**Reference Books :**

1. Insurance Institute of India: IC 33-Life Insurance
2. Insurance Institute of India: IC 33-Life Insurance
3. M.J.Mathew (2015): Insurance Principles and Practices RBSA Publishers.
4. Ghanashyam Panda and Monika Mahajan(2013): Principles And Practice of Insurance, Kalyani Publishers
5. I. R. Bhagat (2019): Indian Insurance System, Vidhya Books Publishers.
6. P. K. Gupta (2017): Insurance and Risk Management, Himalaya Publishing House.

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**B.Com IV<sup>th</sup> Semester Syllabus (CBCS)  
Human Resource Management ( Elective )**

<b>Total Marks</b>	<b>100</b>
<b>Theory</b>	<b>80</b>
<b>Sessional</b>	<b>20</b>

		No. of Lectures
<b>Unit – I</b>	<b>Introduction to Human Resource Management :</b> Definition, Features, Objectives, & Importance of HRM, Qualities of good HR Manager, Changing Roles of Human Resource Manager, Issues in HRM – Workforce, Diversity, VRS, Downsizing, Work-life balance	12
<b>Unit – II</b>	<b>Human Resource Planning and Procurement :</b> HR Planning - Concept, Objectives, Importance, Process, Limitations, Human Resource Information System. Job Analysis – Job Description, Job Specification, - Concept and Purpose Recruitment – Definition, Internal & External Sources of recruitment. Selection – Concept, Process of Selection. Placement – Induction and Retention.	12
<b>Unit – III</b>	<b>Training and Development :</b> Meaning and Objectives of Training , Benefits of Training to Organization and Employees, Needs and Importance of Executive Development, Training & Development Methods – Apprenticeship, Understudy, Job Rotation, Vestibule Training, Case Study, Role Playing, Coaching & Mentoring, Management Development Games, Training Process Outsourcing.	14
<b>Unit – IV</b>	<b>Performance Appraisal :</b> Definition of Performance Appraisal, Objectives, Uses, Process of Performance Appraisal , Methods of Performance Appraisal.	12
<b>Unit – V</b>	<b>Discipline and Grievance :</b> Nature and Objectives of Discipline, Causes of Indiscipline, Principles and Procedure for disciplinary action, Red Hot – Stove Rule. <b>Grievance :</b> Meaning, Causes, Grievance Handling Mechanism.	10
	<b>Practical - 20 Marks</b> <b>( To be Conducted by the Department in each College as per Convenience )</b>	

**Reference Books –**

1. C.B. Gupta, Human Resource Management Sultan Chand & Sons
2. P.G. Aquinas, Human Resource Management Vikas Publication.
3. C.B. Mamorai – S.V. Gankar, Human Resource Management, Himalaya Publication.
4. L. M. Prasad - Human Resource Management
5. K.Aswathappa, Human Resource Management, Tata Mc-Graw Hill Education Pvt. Ltd.

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*[Handwritten Signature]*



**B.Com IV<sup>th</sup> Semester Syllabus (CBCS)  
Import and Export Procedure & Practice (Elective)**

<b>Total Marks</b>	<b>100</b>
<b>Theory</b>	<b>80</b>
<b>Sessional</b>	<b>20</b>

		<b>No. of Lectures</b>
<b>Unit – I</b>	<b>Documentation Framework :</b> Export Import Controls and Policy, Types of Documents: Export contract: Processing of an Export order.	<b>10</b>
<b>Unit – II</b>	<b>Export Financing Methods and Terms of Payments :</b> Negotiations of Export Bills, Methods of Payment in International Trade, Documentary Credit and Collection, UCP 500/501; Pre-Post Shipment Export Credits, Bank Guarantees, Foreign Exchange Regulations and Procedures.	<b>10</b>
<b>Unit – III</b>	<b>Cargo Credit and Exchange Risks:</b> Marine Insurance Need, Types and Procedure, ECGC schemes for risk coverage, and procedure for filing claims. <b>Quality Control and Pre-shipment Inspection Schemes :</b> Process and Procedures, Excise and Customs, Clearance – Regulations Procedures and Documentation.	<b>20</b>
<b>Unit – IV</b>	<b>Planning and Methods of Procurement for Exports :</b> Procedure for procurement through Import, Import Financing, Customs Clearance of Import Cargo, Managing risks involved in importing – Transit Risk, Credit Risk and Exchange Risk.	<b>10</b>
<b>Unit – V</b>	<b>Export Incentives :</b> Overview of export incentives-ECGC, Duty drawbacks, Duty exemption schemes, Tax Incentives, Procedures and Documentation. <b>Trading Houses :</b> Export and Trading Houses Schemes – Criteria, Procedures and Documentation, Policy and Procedures for EOU/FTZ/EPZ/SEZ units.	<b>10</b>
	<b>Sessional - 20 Marks</b> <b>( To be Conducted by the Department in each College as per Convenience )</b>	

**Reference Books :**

1. Customs and Excise Law Times : various issues.
2. Export Import Procedures & Documentation, Dr. Khushpat S. Jain, Himalaya PH. 2008.
3. Export-Import Policy ; Ministry of Commerce, Govt. of India, Vols I & II
4. Ram, Paras. Exports : What, Where and How? Anupam Publication, New Delhi.
5. Mahajan, M.I. : Exports : Do IT Yourself, Snowwhite Publication , Mumbai

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**B.Com. IV<sup>th</sup> Semester Syllabus (CBCS)  
Business Environment ( Elective )**

<b>Total Marks</b>	<b>100</b>
<b>Theory</b>	<b>80</b>
<b>Sessional</b>	<b>20</b>

		<b>No. of Lectures</b>
<b>Unit – I</b>	<b>Business Environment :</b> Concept of Business Environment, Nature, Scope, Features, Needs and Importance of Business Environment, Indian Business Environment.	<b>12</b>
<b>Unit – II</b>	<b>Problem of Growth :</b> Problems of Population, Poverty, Unemployment, Regional Imbalances, Agricultural backwardness, Black Money, Inflation.	<b>12</b>
<b>Unit – III</b>	<b>Government Policies :</b> Industrial Policy 1948, 1956, 1977, 1980, 1991, 2019. Monetary Policy – Meaning and Definition, Objectives, Instruments and Limitations of Monetary Policy, Export and Import Policy.	<b>12</b>
<b>Unit – IV</b>	<b>Economic Trends :</b> National Income, Saving and Investment, Price Trends in India, Income, Money Market, Foreign Trade and Balance of Payments.	<b>12</b>
<b>Unit – V</b>	<b>International Business Environment :</b> Foreign Capital – Types, Needs, Importance, FDI , Foreign Capital in India, IMF – International Monetary(IMF), World Trade Organization(WTO), World Bank.	<b>12</b>
	<b>Practical - 20 Marks</b> ( To be Conducted by the Department in each College as per Convenience )	

**Reference Books –**

1. Vyavasaik Paryavaran – Dr. Dinkar Girdhari, Uday Publication, Aurangabad.
2. Vyavasaik Paryavaran – Dr. Jitendra Ahirrao, Dr. Kalyan Laghane & Dr. Ramdas Vanare, Kailash Publication, Aurangabad.
3. Legal Environment of Business – Aswathappa K. , Himalaya Publication, New Delhi.
4. Economic Environment of Business – Ghosh Biswanath, Vikas Publication, New Delhi.
5. Economic Environment of Business – Adhikari M., Sultan Chand and Co., New Delhi

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**D R. BABASAHEB AMBEDKAR  
MARATHWADA UNIVERSITY,  
AURANGABAD.**



**Curriculum under Choice Based Credit &  
Grading System**

**M.Com. I & II Year**

**Semester-I to IV**

**run at college level from the  
Academic Year 2015-16 & onwards**



**M. COM. FIRST SEMESTER****SUBJECT : MANAGEMENT PROCESS AND ORGANIZATIONAL BEHAVIOR**

COURSE CODE:- COM-401 No. of Credits : 4

Semester : Ist

Subject Title : Management Process and Organizational Behavior

Course Objectives : To enhance quality management abilities of a student.

Unit	Course Content	Periods
1.	Evolution of Management Thought, Schools of Management Thought, Role of management in globalized world and its growing significance.	12
2.	Functions of Management – Planning, Organizing, Centralization & Decentralization, Controlling and Co-ordination and Staffing. Organizational Behaviour – Concept, Relationship between Management and Organizational Behaviour, emergence and ethical perspective, attitude, perception, learning, personality.	12
3.	Motivation – Concept and theories of motivation	12
4.	Group Dynamics and Team Development – Group Dynamics, Meaning & Significance, Types of Groups, Group Formation Development, Group Composition.	12
5.	Organizational Conflict – Dynamics and management, Sources, Patterns, Levels and Types of Conflict, Traditional and Modern Approaches to conflict, functional and dysfunctional organizational conflicts, Conflict Resolution.	12

**Suggested Readings :**

- 1) Sherlekar "Management Value Oriented Holistic Approach", Himalaya Publishing – 2007.
- 2) Stephen Robbins "Organizational Behavior", Prentice Hall of India-2005.

**Additional Readings :**

- 1) Terry George "Principles of Management".

**SUBJECT: MANAGERIAL ECONOMICS**

<b>COURSE CODE: COM-402</b>		<b>NO OF CREDITS: 4</b>
<b>SEMESTER: I</b>		
<b>COURSE TITLE: MASTER OF COMMERCE</b>		
<b>COURSE OBJECTIVES: Update the subject knowledge among the students at corporate level and its use in decision making.</b>		
<b>UNIT</b>	<b>USE IN COURSE CONTENTS</b>	<b>LECTURES</b>
I	<b>Nature and scope of managerial economic:</b> Objectives of a firm, Economic theory and managerial theory, Fundamental economics concepts, Incremental principles, Opportunity costs principles, Discounting principles, Equi-marginal principles.	10
II	<b>Demand Analysis:</b> Individual and marketing demand functions, Law of demand, Determinants of demand, Elasticity of demand , and its importance, Price Elasticity, Income Elasticity and its use in decision making.	10
III	<b>Theory of consumer choice:</b> Cardinal utility approach, Indifference approach, Revealed Preference Theory and Theory of Consumer Choice under risk, Demand estimation, Demand forecasting techniques.	10
IV	<b>Production Theory:</b> Production function, Production with one and two variable inputs, Stages of Production, Economies of Scale, Estimation of production function, Cost theory and estimation, Law of Return to Scale.	10
V	<b>Price Determination under different market conditions:</b> Characteristics of different market structure, Perfect competition, Monopolistic competition, Oligopoly and Monopoly.	10
VI	<b>Business Cycle:</b> Nature and phases of Business Cycle, Theories of Business Cycle, Inflation, Characteristics, Types and effects of Inflation	10

- REFERENCE BOOKS:** 1) 'Adhikary, M. Business Economic, new Delhi, Excel Books 2000
- 2) Buamol, W.J. Economic theory and operations analysis 3<sup>rd</sup> ed., New Delhi, prentice Hall Inc., 1996.
- 3) Chopra, O.p Managerial economics, , new Delhi Tata McGraw Hill 1985.
- 4) Keat, paul G.& Philips K.Y. Young ,managerial Economics, prentice Hall, New Jersey 1996.
- 5) Koutsoyinanns, A.Modern Micro Economics, New York, Macmillan, 1991.
- 6) Mllgrom,P. and Roberts J.Economics, Organization and management , Englewood Cliffs, New jersey, prentice Hall 992.
- 7) Joel Dean "Managerial Economics", prentice Hall

**SUBJECT: CORPORATE FINANCIAL ACCOUNTING**

<b>COURSE CODE: COM- 403</b>		<b>NO OF CREDITS: 04</b>
<b>SEMESTER: I</b>		
<b>COURSE TITLE: MASTER OF COMMERCE</b>		
<b>COURSE OBJECTIVES: Update the subject knowledge among the students at corporate level.</b>		
<b>UNIT</b>	<b>COURSE CONTENTS</b>	<b>PERIODS</b>
<b>I</b>	Financial Accounting. Generally Accepted Accounting principles, Indian Accounting standards. International Accounting standards.	<b>12</b>
<b>II</b>	Preparation and analysis of financial Accounts and financial statements of companies..	<b>12</b>
<b>III</b>	Valuation of shares and goodwill.	<b>12</b>
<b>IV</b>	Accounting issues relating to Mergers and Acquisitions.	<b>12</b>
<b>V</b>	Holding Companies (with two subsidiaries). Inflation Accounting.	<b>12</b>

**REFERENCE BOOKS:**

- 1) 'Advanced Accountancy' by Shukla and Grewal.
- 2) 'Advanced Financial Accounting' by R.L.Gupta
- 3) 'Advanced Accounting' by Jain and Naranmg.
- 4) 'Advanced Accounting' by Khan and Jain.
- 5) 'Advanced Accountancy' by S.N.Maheswari.



**SUBJECT: BUSINESS ENVIRONMENT- (ELLECTIVE)**

COURSE CODE: COM- 421      NO OF CREDITS: 4      SEMESTER: Ist		
Course objectives:- To make the students understand the various aspects of business environment and their impact on industry, international trade.		
UNIT	COURSE CONTENTS	PERIODS
I	<u>INTRODUCTION OF THE CONCEPT</u> Theoretical framework of Business Environment, Concept, significance & nature of Business Environment. Elements of business environment-Internal & External. Changing dimensions of business environment. Techniques of environmental scanning and monitoring	12
II	<u>ECONOMIC ENVIRONMENT OF BUSINESS.</u> Significance and elements of Economic environment. Economic planning in India. Government policies, Industrial, policy, Fiscal policy, Monetary policy, Exim policy. Public sector & economic development. Development and relevance to Indian business. Economic reforms, Liberation and Structural Adjustment Programs.	12
III	<u>POLITICAL AND LEGAL ENVIRONMENT OF BUSINESS.</u> Political environment and its impact on business policy. Critical elements of political environment. Government and business. Social responsibilities of business and role of government. Legal environment, Changing dimension of legal environment in India, M.R.T.P. Act, FEMA & Licensing policy. Sales Goods Act. Consumer Protection Act, Consumerism in India.	12
IV	<u>SOCIO-CULTURAL ENVIRONMENT.</u> Critical elements of social cultural environment. Social institutions and systems, Social values and attitudes, Social groups middle class. Dualism in Indian society & problems of uneven income distribution. Rural Developments, Emerging rural sector in India, Problems and prospects of agricultural and its allied sectors. Social responsibilities of business.	12
V	<u>INTERNATIONAL &amp; TECHNOLOGICAL ENVIRONMENT.</u> Multinational corporations, Foreign collaboration and Indian business. Nonresident Indians & corporate sector. International economic institutions- World Trade Organization, World Bank, Int'l Monetary Fund and their importance to India. Foreign trade policies, impact of rupee devaluation. Technological environment of India. Policy on research and development, patent laws, technology transfer..	12

**REFERENCE BOOKS:**

- 1) "Business Environment" by Francis Cherunilam, Himalaya publication.
- 2) "Business Environment" by Shaikh Saleem, Pearson Education.
- 3) "Business Environment" by Gopal Lal Jain, Mangal Deep publication.

**SUBJECT . : STASTICAL ANALYSIS (ELLECTIVE)**

COURSE CODE:- COM-422 No. of Credits :-4 Semester : Ind

Subject Title: Statistical Analysis.

Course Objectives: To make the students learn the application of statistical tools &amp; techniques.

Unit	Course Content	Periods
1.	Analysis of Time Series and Forecasting : Meaning and Utility, Components of Time Series Analysis, Decomposition Models, Trend Projection Method, Measurement of Seasonal Variation.	12
2.	Multiple and Partial Correlation and Multiple Regression Analysis	12
3.	Sampling and Stastical Inference – Census Vs. Sampling, Principles and Methods of Sampling, Sampking Distribution, Standard Errorr, Point Estimation,.	12
4.	Internpolation and extrapolation – utility, assumptions and methods of interpolation	12
5.	Stastical Quality Control – Meaning and Objectives, Causes of Variation in quality characteristics, Quality Control & Chart Construction.	12

**Suggested Readings :**

- 1) Chandra N.K. Statistics for Behavioural and Social Scientists, Reliance Publishing House, Delhi, 1996.
- 2) Gupta, S.P. and Gupta M.P. Business Stastics, New Delhi, Sultan Chand, 1997.
- 3) Kazmier, L.J. and Pahl N.F. Basic Stastics for Business and Economics, New York, Mc Graw Hill, 1988.

**Additional Readings :**

- 1) Elhance D.N. Funademental of Statistics
- 2) V.K. Kapoor "Funademental of Statistics for Business & Economics", Sultan Chand & Sons, New Delhi, 2005

**M. COM. SECOND SEMESTER****SUBJECT: ADVANCED COST ACCOUNTING**

<b>COURSE CODE: COM-404</b>		<b>NO OF CREDITS: 04</b>	<b>SEMISTER: II</b>
<b>COURSE TITLE: MASTER OF COMMERCE</b>			
<b>COURSE OBJECTIVES: Update the subject knowledge among the students at corporate level in cost accounting.</b>			
<b>UNIT</b>	<b>COURSE CONTENTS</b>		<b>PERIODS</b>
<b>I</b>	<b>Budgetary Control Systems</b> Concepts and features, Budget & Forecast, Types of Budgets and Process, pre-requisites of budgetary control systems. Administration of budgetary control systems, Revision of budgets, Rolling budgets, Zero-base budgeting, Performance budgeting.		<b>12</b>
<b>II</b>	<b>Standard Costing</b> Meaning, Objectives, Significance and limitation of standard costing. Distinguish between standard costing and budgetary control. Types of standard costs, Variance, Analysis and Accounting of Material, Labour, Overheads. Sales variance Analysis.		<b>12</b>
<b>III</b>	<b>Marginal Costing.</b> Meaning, Objectives, Features, Advantages and limitation of Marginal costing. Distinguish between Marginal costing and Absorption costing. Preparation of Marginal cost statement. Concept of Contribution and Profit. To make or to buy decisions of different products.		<b>12</b>
<b>IV</b>	<b>Break-Even and Cost Volume Profit Analysis.</b> Assumption and Usages of Break-Even Analysis. Methods of calculation of BEP, Contribution P/V Ratio, Marginal of Safety, Angle of Incidence, Key factor, Break even chart. Impact of variable and fixed cost, Calculation of BEP where multiple products are involved.		<b>12</b>
<b>V</b>	Presentation of Financial and Cost information to Management. Concept of reports, Types of reports, Reports to management, Installing management report systems, Bankers and Management reporting, Essentials for preparation of good reports.		<b>12</b>

**REFERENCE BOOKS:**

- 1) 'Cost Accountancy' by S.P.Jain and K.L. Naranmg.
- 2) 'Cost Accounting' by Nigam and Sharma
- 3) 'Cost Accountancy' by Arrora.
- 4) 'Cost Accounting Problems and Solutions S.N. Maheswari.
- 5) 'Cost Accounting Problems and Solutions by Khanna, Pande and Ahuja



**SUBJECT: MARKETING MANAGEMENT**

<b>COURSE CODE: COM- 405</b>		<b>NO OF CREDITS: 04</b>	<b>SEMESTER: II</b>
<b>COURSE TITLE: Master of Commerce</b>			
<b>COURSE OBJECTIVES: Update the subject knowledge among the students at corporate level.</b>			
<b>UNIT</b>	<b>COURSE CONTENTS</b>	<b>PERIODS</b>	
<b>I</b>	<b>Introduction:</b> Concept, Nature, Scope and importance, Marketing Evolution Marketing mix, Strategic marketing.	<b>12</b>	
<b>II</b>	<b>Market Analysis and Selection:</b> Marketing Environment, Micro and Macro components and impact on marketing decision, Market segmentation and positioning, buyer behaviour, Consumer decision making process.	<b>12</b>	
<b>III</b>	<b>Pricing Decisions:</b> Factors affecting Pricings, Price Determination, Pricing policies, and strategies, Discounts and rebates.	<b>12</b>	
<b>IV</b>	<b>Distribution channels:</b> Function and Types of Distribution Channels, Intermediaries, Channel Management Decision, Retailing and Wholesaling.	<b>12</b>	
<b>V</b>	<b>Promotion Decisions:</b> Communication Process, Promotion mix, Advertising, Personal selling, Sales Promotion, Publicity Relations, Determining Advertisement Budget, Copy Designing and its testing, Media selection, advertising effectiveness, sales promotion tools and techniques.	<b>12</b>	

**REFERENCE BOOKS:**

1. Enis, BM Marketing Classics: A Selection of Influential Articles, New York, McGraw Hill 1991
2. Kotler, Philip and Armstrong, G. Principles of Marketing, New Delhi, Prentice Hall of India, 1997.
3. Kotler, Philip and Marketing Management, Planning, Implementation and Control, New Delhi, Prentice Hall of India 1994.
4. Ramaswamy, V S and Namakumari, S. Marketing Management, Planning Control, New Delhi, macmillan 1990.
5. Station William, J. Fundamentals of Marketing, New York, McGraw Hill 1994.
6. Nelamegham, S. Marketing in India: Cases and Readings, New Delhi, Vikas, 1988.

**SUBJECT TITLE:- FINANCIAL MANAGEMENT**

COURSE CODE.: COM- 406			No. of Credits 04	SEMESTER: II
SUBJECT TITLE:- FINANCIAL MANAGEMENT				
COURSE OBJECTIVES:- This Course exposes students to understand Basis of Financial transaction which are applied in Business and industry				
UNIT	COURSE CONTENT			PERIODS
I	Financial Management Objectives Profit Wealth Maximization Goals Finance Function, Investment – Financing – Dividend Decisions.			12
II	Operating & Financial leverages, computation of combined , financial and operating leverages, effect of leverages on profitability			12
III	Cost of Capital: Types, Computation of different sources of capital viz. debt capital, preference share capital, equity share capital, weighted average cost of capital.			12
IV	Management of Working Capital – Sources of short term capital, cash receivables and inventory management.			12
V	Capital Budgeting Decisions – Investment evaluation methods, comparative analysis, NPR, internal rate of return method, accounting rate of return, risk analysis, capital rationing			12

**1.Suggested Readings:** - 1) Bhattacharya Hrishikas – Working Capital Management – Strategies and Techniques, Prentice Hall, New Delhi (2) Chandra Prasanna – Financial Management, Tata McGraw Hill, New Delhi (3) Pandey I M – Financial Management, Vikas Publishing

**2. Additional Readings:** - 1) Van Horn JC – Fundamentals of Financial Management, Prentice Hall, New Delhi 2) Ashok Banerjee Financial Accounting

**SUBJECT TITLE : STRATEGIC MANAGEMENT(ELLECTIVE)****COURSE CODE:- COM-423 No. of Credits :4 Semester : IInd****Course Objectives : To enhance thd decision making abilities of students in situations of uncertainty in a dynamic business environment.**

Unit	Course Content	Periods
1.	Strategy and the Quest for Competitive Advantages – Military origins of strategy - Evolution – Concept and Characteristics of strategic management – Defining strategy – Mintzerbg's 5Ps of strategy – Corporate, Business and Functional Levels of strategy – Strategic Management process.	10
2.	Strategic Intent & Strategy Formulation –Vision, mission and purpose – Business definition, objective and goals – Stakeholders in business and their roles in strategic management – Corporate Social Responsibility, Ethical and Analyzing Company Resources and Competitive Position.	10
3.	Analyzing Company's External Environment :Environment appraisal – Scenario planning – Preparing an Environment Threat and Profile (ETOP). Corporate Portfoli Analysis :Business Portfolio Analysis – Synergy and Dysergy – BCG Matric GE 9 Cell Model – Concept of Leverage and fit.	10
4.	Grand Strategies : Stability, Growth (Diversification Strategies, Vertical Integration Strategies, Acquisition & takeover strategies, strategic alliances, Retrenchment Strategies.	10
5.	New Business Model and Strategies for Internet Economy : Shaping Characterstics of E-Commerce environment – E- Commerce Business Model and Strategies – Internet strategies for Traditional Business .	10
6.	Behavioural & Functional Issues in implementation:Corporate culture – Mc Kinsey's 7S Framework, Concepts of Learning Organization, Functional Plans and policies, Financial Marketing, Operations, Personnel, IT.	10

**Suggested Readings :**

- 1) Kazmi Azher "Business Policy and Strategic Management", Tata McGraw Hill.
- 2) Subbah Rao "Business Policy & Strategic Management", Himalaya Publishing Co.
- 3) Pitts Rober A & Lie David "Stratgeic Management" Thompson 3rd Edition.
- 4)



**Sub:-E-BUSINESS (ELLECTIVE)**

COURSE CODE: COM-424 NO OF CREDITS: 04 SEMESTER: II		
Subject Title: E-BUSINESS		
COURSE OBJECTIVES: The objective of the course is to acquaint the students with the use of E-Commerce in competing markets and business administration.		
UNIT	COURSE CONTENTS	PERIODS
I	<b><u>Introduction to E-Business:</u></b> Definition, significance of E-Business. Evolution of E-business, Basic elements, Mobile Commerce, E-services, Concept of EDI-concept, importance, standards, merits and d-merits etc. Levels of E-commerce, Procedures Forces.	12
II	<b><u>Internet Service Providers:</u></b> Meaning, History, Importance of Internet. Internet Vs. Online Service. <a href="http://www.worldwideweb.org">www.(world wide web)</a> , Concept, advantages and disadvantages of www. Marketing and E-Media. Launching on line site, Tele-shopping, Tele-marketing.	12
III	<b><u>Electronic Banking:</u></b> Electronic Payment Systems. Electronic Payment Technology, Digital Cash, E-cheques, MICR cheques, On-line Credit Card. Electronic Commerce & Banking. Changing Dynamics in the Banking Industry. Core Banking, Advantages and disadvantages of E-banking, Digital signature, Issues in on-line banking, Cyber crime-process and concept.	12
IV	<b><u>E- Commerce &amp; Retailing:</u></b> Changing retail industry dynamics. On-line retailing, Management challenges. E- Commerce & On-line Publishing. On-line Publishing Strategies and approaches. Advertising and On-line Publishing, On-line sales force. On-line Customer Service and Support.	12
V	<b><u>Technology and Marketing Strategy:</u></b> Intranet and Manufacturing. Search engine and its types. Emerging business requirements. Manufacturing information systems. Software Modules in Financial Information Systems. Transaction Accounting, Inventory Accounting Payment Management. Treasury and Cash Management. Human Resource Management Systems.	12

**REFERENCE BOOKS:**

- 1) E-Business Fundamentals by S.K. Bansal, A.P.H Publication, Delhi
- 2) E-Finance by V.C. Joshi, Response Books, New Delhi
- 3) E-Commerce by Paul Timmers, John Wiley & Sons Ltd.
- 4) On-Line Marketing by Richard Gay, Alan C. & Rita Esen Oxford University Press.
- 5) The Internet by Cady G.H. & Part McGreger, BPB Pub. Delhi.
- 6) E-business with Net Commerce by Samantha Shurety, Addison Wesley, Singapore,2001
- 7) Starting and E-Commerce Business by Rich, Jason R., IDG Books, Delhi,2000
- 8) Global Electronics Commerce by Mann, Catherine L. Institute for Int'l Economics, Washington DC,2000.

**DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY****AURANGABAD-431004****DEPARTMENT OF COMMERCE****M.COM. III SEMESTER SYLLABUS****RESEARCH METHODOLOGY**

<b>COURSE CODE:COM-501</b>			<b>NO. OF CREDITS: 04</b>			<b>SEMESTER: III</b>		
<b>COURSE TITLE: <u>Research Methodology</u></b>								
<b>COURSE OBJECTIVES: to expose the students with research process, data collection and analysis, sampling, report writing etc.</b>								
<b>UNIT</b>	<b>COURSE CONTENT</b>						<b>PERIODS</b>	
<b>I</b>	<b>Introduction: Definition- Meaning and nature- scope – objectives of Research – Merits and demerits.</b>						<b>10</b>	
<b>II</b>	<b>Planning Research Project: Identification, selection and formulation , of a problem – Research design – types of research.</b>						<b>10</b>	
<b>III</b>	<b>The process of Research: Hypothesis – objectives- Primary synopsis- Method of investigation – survey method, case study method, experimental method and scientific method.</b>						<b>10</b>	
<b>IV</b>	<b>Method of collection Data:-Primary data – Observation, Interview, Telephonic , and mail survey. Secondary Data : tests, cumulative record cards, schedules, questionnaires an pilot study.</b>						<b>10</b>	
<b>V</b>	<b>Sampling: Classification tabulation &amp; scaling of data , Advertising &amp; limitation of sampling- theoretical basis of sampling- probability and Non- Probability sampling errors. Objectives &amp; determinants of classification- Tabulation of data – Analysis &amp; interpretation of data.</b>						<b>10</b>	
<b>VI</b>	<b>Report Writing: Nature, Types and Contents of Reports- Steps in drafting the reports</b>						<b>10</b>	

**Recommended Books:**

- 1 Micheal V.P. Research methodology in Management Himalaya Publishing House Pvt. Ltd. 2009
- 2 Nakkiram, Selvaraju, . Research methodology in Social Science, Himalaya Publishing House Pvt. Ltd. 2009.
- 3 Thanulingam, N. Research methodology Himalaya Publishing House.
- 4 Nandgopal R. Research methodology Himalaya Publishing House .
- 5 Gupta S. P. Statistical Methods, in Business, Himalaya Publishing House.
- 6 Golden, Bddle, Koren and koren D. Locke: Composing qualitative Research, Sage Pub. 1997.
- 7 Fox. J.A. an P. E. Tracy: Randomized Response : A method of sensitive survey , sage pub. 1986.



**HUMAN RESOURCE PLANNING AND DEVELOPMENT**

COURSE CODE. : COM-502		No. of Credits : 04	Semester : III
Subject Title : <b>Human Resource Planning and Development</b>			
Course Objectives : The objective of this course is to expose students to the Human Resource Planning methodologies and the various aspects of HR Practices.			
Unit	Course Content	Periods	
I	<b>Fundamentals of Human Resource Planning :</b> Introduction, Definition, Needs, Objectives, Scope and Benefits of H.R. Planning Factors affecting HR Planning, Tools of HR Planning.	12	
II	<b>Job Analysis :</b> Introduction, Job Content Factors, Characteristics, of Job Design, Methods, Techniques and Steps in Job Design, Job Analysis, Methods of Analysis – Job Evaluation, Steps and Types, Limitations of Analysis – Concept of Work Measurement.	12	
III	<b>Training and Development :</b> Need, Classification and Steps for Designing the Training Programmes, Training Methods – Training Evaluation models, Career Development, Its Meaning, Needs, Types and issues, Succession Planning.	12	
IV	<b>Performance Management :</b> Meaning and Definition, Standards of Performance, Performance Metric, Types and Methods of Performance Appraisal.	12	
V	<b>Strategic Human Resource Development :</b> Concept and Definition of Strategy, Strategic HRD and Strategic HRM, different Levels of HRD Strategy, HRD Vision and mission, HRD Goals and Objectives.	12	

**Suggested Readings :**

Shirrudrappa and Others : Human Resource Management, Himalaya Publishing House.

Subba Rao : Human Resource Management, Himalaya Publishing House.

D. Kumar : Human Resource Management, Excell Books.

Bhattacharya D.K. : Human Resource Planning, Excell Books.

Tripathy P.C. : Human Resource Development, S.Chand & Co.

Holloway, J. : Performance Measurement and Evaluation, New Delhi, Sage.

**SUBJECT: BUSINESS LEGISLATION**

<b>COURSE CODE: COM-503    NO OF CREDITS: 4    SEMESTER: III</b>		
<b>COURSE TITLE: Master of Commerce</b>		
<b>COURSE OBJECTIVES: Update knowledge about different Business Legislation in Practice.</b>		
<b>UNIT</b>	<b>COURSE CONTENTS</b>	<b>LECTURES</b>
I	<b><u>The Companies Act 1956</u></b> Definition, Types of Companies, Memorandum of Association, Articles of Association, Prospectus (Relevant Provisions)	12
II	<b><u>Share Capital</u></b> , Membership, Meetings and Resolutions (Relevant Provisions)	12
III	<b><u>Company Management</u></b> , Managerial Remuneration., Winding up and Dissolution of Companies. (Relevant Provisions.)	12
IV	<b><u>Security Markets:</u></b> SEBI Act 1992, Organisation and Objectives of SEBI, Powers under Securities Contract Regulations Act 1956 transferred to SEBI (powers are to be studied in brief) role of SEBI in controlling the Security Markets.	12
V	<b><u>Consumer Protection Act 1986:</u></b> Salient Features, Definition of Consumer, Grievance Redressal Machinery.	12

**Recommended Books:**

1. Amarchand, D.' Government and Business', Tata McGraw Hill, New Delhi.
2. Avadhani V.A. 'SEBI Guidelines and Listing of Companies', Himalya Publishing House, Delhi.
3. Ramaiya, A: Guide to Companies Act', Wadhwa Co., 1996.
4. Sebi, Act 1992, Nabhi Publication, Delhi.
5. Securities (Contract and Regulation) Act, 1956.

**INTERNATIONAL MARKETING( ELECTIVE)**

<b>COURSE CODE: COM-521</b>			<b>NO. OF CREDITS: 04</b>			<b>SEMESTER: III</b>		
<b>COURSE TITLE: INTERNATIONAL MARKETING</b>								
<b>COURSE OBJECTIVES:</b> To make the students understand the importance of international marketing, entry strategies, foreign market selection, product development and distribution.								
<b>UNIT</b>	<b>COURSE CONTENT</b>						<b>PERIODS</b>	
<b>I</b>	Introduction to International Marketing: Nature and Significance; complexities in International Marketing' transaction from domestic to International Marketing; international Market orientation – EPRG Framework; International Market entry strategies.						<b>10</b>	
<b>II</b>	International Marketing environment; Internal environment; External environment geographical. Domestic, economics socio-cultural, political and legal environment, impact of environment on International Marketing decision.						<b>10</b>	
<b>III</b>	Foreign Market Selection: Global marketing segmentation; selection of foreign markets; International positioning.						<b>10</b>	
<b>IV</b>	Product decision: product planning for global markets: Standardization Vs product adaptation; new product development; Management of international brands: packaging and labeling; provision of sales related services.						<b>10</b>	
<b>V</b>	Pricing & Promotion Decision: Environmental influences on pricing decisions; international pricing policies and strategies. Complexities and issues: international advertising, personal selling. Sales promotion and public relation.						<b>10</b>	
<b>VI</b>	Distribution Channel and Logistics: Function and types of Channel. Channel selection decision selection of foreign distributions agents and managing relations with them: International logistics decisions.						<b>10</b>	

**Suggested Readings:**

- 1.Czinkota.M.R.: International Marketing. Dryden press, Boston.
- 2.Fayrweather, john; International Marketing. Prentice Hall, New Delhi.
- 3.Jain S.C. International Marketing.
- 4.Onkvisit, Sak and John J. Shaw: International Marketing: analysis and Strategy, Prentice Hall New Delhi.
- 5.Paliwoda.. (E.D.): International Marketing.
- 6.Paliwoda Stanley J: The Essence of International Marketing, Prentice Hall New Delhi.

**Additional Readings:**

- 1.Cherunilam, Francis, "International Marketing", Himalaya Publishing House.
- 2.Rathore, Rathore & Jani, "International Marketing", Himalaya Publishing House.
- 3.Nargundkar R., "International Marketing", Himalaya Publishing House.



**SUBJECT: ACCOUNTING FOR MANAGERIAL DECISIONS (Elective)**

<b>COURSE CODE: COM-522</b>			<b>NO OF CREDITS: 04</b>			<b>SEMESTER: III</b>		
<b>COURSE TITLE: MASTER OF COMMERCE</b>								
<b>COURSE OBJECTIVES: To acquaint the Students with the accounting concepts ,tools,and techniques for managerial decisions.</b>								
<b>UNIT</b>	<b>COURSE CONTENTS</b>						<b>PERIODS</b>	
<b>I</b>	<b>Introduction to Accounting:</b> Management accounting as a area of accounting; objectives, nature and scope of financial accounting, cost accounting and management accounting; Management accountants position, role, and responsibilities.						<b>10</b>	
<b>II</b>	<b>Accounting Plan and Responsibility centers:</b> Meaning and significance of responsibility accounting; Responsibility Centers- cost centre, profit centre and investment centre, Problems in transfer pricing, objectives and determinants of responsibility centers.						<b>10</b>	
<b>III</b>	<b>Budgeting:</b> Definition of budget, essentials of budgeting, Types of budgets- functional, master, Fixed and Flexible budget; Budgetary control; Zero-base budgeting; Performance budgeting.						<b>10</b>	
<b>IV</b>	<b>Standard Costing &amp; Variance Analysis:</b> Standard costing as a control technique; advantages & limitations of standard costing, Variance Analysis-meaning & importance, kinds of variances & their Uses- Material, labour and overhead variances; Disposal of variances, Relevance of Variances to budgeting and standard costing.						<b>10</b>	
<b>V</b>	<b>Marginal Costing &amp; Break-even Analysis:</b> Concept of marginal cost; Marginal cost & absorption costing; Marginal costing versus direct costing; Cost-Volume-Profit analysis, Break-even analysis, Margin of safety, Break –Even Analysis; Assumptions and Practical applications of break-even analysis; Decisions regarding sales-mix, make or buy decisions and decisions and discontinuation of a product Line etc.						<b>10</b>	
<b>VI</b>	<b>Reporting to Management:</b> Objectives of Reporting, Reporting needs at different managerial levels; Types of Reports, modes of reporting, reporting at different levels of management.						<b>10</b>	

**REFERENCE BOOKS:**

- 1)'Cost Accountancy' by S.P.Jain and K.L. Naranng.
- 2) 'Cost Accounting' by Nigam and Sharma
- 3) 'Cost Accountancy" by Arrora.
- 4) 'Cost Accounting Problems and Solutions S.N. Maheswari.
- 5) 'Cost Accounting Problems and Solutions by Khanna, Pande and Ahuja.
- 6)'Management Accounting"; Manmohan Goyal.
- 7) Management Accounting"; by Dr.S.P.Gupta.

**M.COM. IV SEMESTER SYLLABUS**  
**QUANTITATIVE TECHNIQUES**

COURSE CODE: COM-504 NO. OF CREDITS: 04		SEMESTER: IV
COURSE TITLE: <u>Quantitative Techniques</u>		
COURSE OBJECTIVES:		
UNIT	COURSE CONTENT	PERIODS
I	Operational Research Basics, application in business decision making , linesr programming , model formulation, solution of LP problem, simplex method.	12
II	Transportaion Problems, Method of solving Transportation Problem, assignment problems, method of solving assignment problems.	12
III	Inventory management Techniques	12
IV	Decision Analysis & Dicision Tree	12
V	Sequencing / Scheduling Method , PERT/ CPM Techniques Concept, (Notes:- Numerical Problems on Simplex Method, Transaction, Assignment, Inventory Management Techniques)	12

**Recommended Books:**

- 1 Bhat S.K., Operation Research & Quantitative Techniques, Himalaya Publishing House;
- 2 Sharma Anand Operation Resear, Himalaya Publishing House;
- 3 Budnik, Frank S. Dennis Melavey, Richard Mojenda Principle of Operations Research, 2<sup>nd</sup> ed. Richard Irwin, Illois – All India Travelling Books seller , new Delhi, 1995.
- 4 Goud, F.J. etc. Introduction to Management Science, Englewood Cliffs, New Jersey, Printice hall inc. 1993.
- 5 Mathur, K and solow , D. Management Management Science, Englewood Cliffs, New Jersey, Printice hall inc. 1994.
- 6 Narag A.S. Linear Programming and Decision Making , New Delhi, Sultan Chand, 1995
- 7 Sharma J.K. Operations Research: Theory and Applications, New Delhi, Macmillan India ltd., 1997.

Objectives : To make the student aware of Quantitative Techniques for Data Analysis & financial Decision Making.

Outcome : students will be able to develop <sup>computational</sup> ~~conceptual~~ skills and use it in Market Research, Analysis of Data and also use Quantitative information for Decision Making.

**SUBJECT: SECURITIES ANALYSIS**

<b>COURSE CODE: COM-505 NO OF CREDITS: 4 SEMESTER: IV</b>		
<b>COURSE TITLE: Master of Commerce</b>		
<b>COURSE OBJECTIVES: Update the subject knowledge among the students at corporate level about Securities and Portfolio Management.</b>		
<b>UNIT</b>	<b>COURSE CONTENTS</b>	<b>LECTURES</b>
I	<b><u>Meaning and Definition of Investment, Security</u></b> , - Portfolios, Investments Alternatives and their evaluation, Qualities of Successful Investing. Capital Market Theory, Arbitrage Pricing Theory.	12
II	<b><u>Security Pricing</u></b> – Factors influencing Valuation, Constant growth model, Security pricing models, Dividend discounting methods, P/E ratio model and Graham’s Approach,	12
III	<b><u>Trading in Securities:</u></b> Meaning and characteristics of options, Types of derivatives, Growth and advantage of derivative markets, Speculation and hedging. <b><u>Future Trading:</u></b> Futures contracts, Financial futures, Equity and Commodity futures in India.	12
IV	<b><u>Analysis of Securities:</u></b> Technical Analysis, Strategy Analysis, Accounting Analysis, Financial Analysis.	12
V	<b><u>Portfolio management:</u></b> What is a portfolio, risk and return in portfolio theory. Expected Return , Portfolio Selection Models ,Modern Portfolio Theory , Portfolio Management in Mutual Fund.	12

**Recommended Books:**

1. Avadhani V.A. “Securities Analysis & Portfolio Management”, Himalaya Pub. House, Mumbai.
2. Singhi Preeti, “Investment Management”, Himalaya Pub. House, Mumbai.
3. Sudhindra Bhatt, “Security Analysis and Portfolio Management”, Excel Books Mumbai.
4. Prasanna Chandra, “Investment Analysis & Portfolio Management”, Tata Mcgraw Hill, India.
5. Fischer, “Security Analysis & Management”, Pearson Publication New Delhi.



**3) SUBJECT: RESEARCH PROJECT**

COURSE CODE:- COM-506

The candidate must undertake the project work based on practical training in a business firm for the period of Six Weeks. The student will be guided by the Teacher (Guide). The student shall submit research project to the Head of Department before theory examination. The project will be evaluated by the external examiner and the internal examiner jointly. The assessment of the project shall be made as follows.

Project contents- 50 marks,

Project Presentation- 30 marks,

Project Via-voce- 20 marks

**SUBJECT : ADVERTISEMENT(ELLECTIVE)**

<b>COURSE CODE: COM-523</b>		<b>No. of Credits : 04</b>	<b>Semester : IV</b>
<b>Subject Title : Advertisement</b>			
<b>Course Objectives :</b> The objective of this course is to expose students to the Advertising Basics and the various Methodologies to Develop, Implement and Measure the Effect of Advertisement.			
<b>Unit</b>	<b>Course Content</b>		<b>Periods</b>
I	<b>Advertising :</b> Definition, Advertising as a tool of Marketing, Advertising Effects, Economic and Economic Behaviour, Advertising Scene in India, Advertising Objectives, Advertising Budget.		15
II	<b>Advertising Media :</b> Print Media, Broadcasting Media, Non Media Advertising, Planning and Scheduling, Advertising on Internet, Media Selection Decision, Message Design and Development, E-Channels of Advertising.		15
III	<b>Determination of Target Audience :</b> Building of Advertising Programme, Message, Headlines, Copy, Logo, Illustration, Appeal, Layout, Campaign Planning, Campaign Budgeting.		15
IV	<b>Measuring Advertising Effectiveness :</b> Managing Advertising Agency, Client Relationship, Promotional Scene in India, Techniques for Testing Advertising Effectiveness.		15

**Suggested Readings :**

- Aaker, David : Advertising Management, Prentice Hall, New Delhi.
- Anderson, Hair, Bush : Professional Sales Management, McGraw Hill, Singapore.
- Batr, Rajeev, John G. Mayer and David Aaker : Advertising Management, Prentice Hall, New Delhi.
- Ford Churchill, Walker : Management of Sales Force, McGraw Hill, Singapore.
- Gupta, Vaswer Das : Sales Management in the Indian Perspective, Prentice Hall, New Delhi.
- Krik C.A. : Salesmanship, Tarapore Wala, Bombay.
- Norris, James S. : Advertising, Prentice Hall, New Delhi.

**SUBJECT: INTERNATIONAL BUSINESS (ELLECTIVE)**

COURSE CODE: COM-524		No. of Credits : 04	Semester : IV
Subject Title : <b>International Business</b>			
<b>Course Objectives</b> : The objective of this course is to expose students about international business, its significance and basic knowledge			
Unit	Course Content	Periods	
I	International Business: Nature, Importance & Scope, types of International Business, International Business Approaches. Theory of Competitive Approaches, modern approach to International Business, problem of trade & aid to developing Country.	12	
II	International Business Decision: Mode of Entry, Marketing Mix, Factors affecting in International Business. The legal, Technological, Political, Sociological environment.	12	
III	Role of International Institutions. GATT, WTO, ECM, IME, IDRD, IFC, UNCTAD. Recent trends in world trade Multinational Corporation.	12	
IV	International Business promotion in India. EXIM policy, Export promotion board of India. Recent trends in India's Foreign Trade, International Marketing Mix. Logistics-Distribution Channels barriers in Trade-Trade & Non-trade Barriers.	12	
V	Ethics & Social Responsibilities in International Business, Nature of ethics and Social Responsibilities in International Business- ethics in cross channel and distribution context. Social responsibility in cross cultural and International context. Regulation in International ethics and social responsibility.	12	

**Recommended Books:**

- 1) Subha Rao P. "International Business (Text & Cases), Himalaya Publication house.
- 2) Avadhani V.A, "Global Business" Himalaya Publication house.
- 3) Oded Shenkar & Yadong Luo, "International Business" Wiley India.
- 4) Hyun-Sook Le., "International Business-Country Culture", Excel Books.
- 5) Jeevanandan C., ""International Business", S. Chand & Co.



**D R. BABASAHEB AMBEDKAR  
MARATHWADA UNIVERSITY,  
AURANGABAD.**



**Curriculum under Choice Based Credit &  
Grading System  
M.Sc. I Year  
Chemistry  
Semester-I & II**

**run at college level from the  
Academic Year 2015-16 & onwards**

**DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD  
DEPARTMENT OF CHEMISTRY**

Credit based syllabus

**M.Sc. Chemistry: I & II Semester**

*A. J. K. P.*  
11.06.2015  
Professor & Head  
Dept. of Chemistry  
Dr. Babasaheb Ambedkar  
Marathwada University,  
Aurangabad-431 004.

**Effective from June 2013**

**DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD  
DEPARTMENT OF CHEMISTRY**

*Syllabus Based upon Credit System Effective from –June 2013*

The department of Chemistry conducts four specializations namely Analytical, Inorganic, Organic and Physical Chemistry.

The M. Sc. Chemistry program of each specialization is divided into Four Semesters with 108 credits, comprising of 16 theory papers and 16 laboratory courses including projects, seminars and tutorials.

A) The 16 theory papers of each specialization include:

Core Courses: 08  
Specialized Courses: 08  
Elective Courses: 02 not compulsory  
Service Courses: 01

B). The 16 laboratory course includes:

Core Courses: 08  
Specialized Courses: 08

**Credit System and Cafeteria approach**

- The credit system with cafeteria approach has been adopted by the department.
- Students will have to learn at least 108 credits for the award of M. Sc. Degree.
- Out of 108 credits students will have to learn at least 36 credits of core courses, 24 credits of specialized courses and 12 credits of elective/service courses.
- Along with these credits of theory courses students are required to earn at least 36 credits of laboratory courses.



The following will be the structure for revised syllabus for M. Sc. Chemistry I & II semester effective from June 2013

Semester	Paper No.	Title	Total number of teaching hours	Credits
<b>Semester- I</b>	CHE-101	Analytical chemistry	60 hrs	4
	CHE-102	Inorganic Chemistry	60 hrs	4
	CHE-103	Organic Chemistry	60 hrs	4
	CHE-104	Physical Chemistry	60 hrs	4
<b>Semester -II</b>	CHE-205	Spectroscopic methods of analysis	60 hrs	4
	CHE-206	Inorganic Chemistry	60 hrs	4
	CHE-207	Organic Chemistry	60 hrs	4
	CHE-208	Physical Chemistry	60 hrs	4
<b>I&amp; II Semester Laboratory Course</b>	CHE -209	Laboratory course ( General & Analytical )	135 hrs	4.5
	CHE- 210	Laboratory course (Inorganic)	135 hrs.	4.5
	CHE- 211	Laboratory course (Organic)	135 hrs.	4.5
	CHE-212	Laboratory course (Physical)	135 hrs.	4.5

**CHE-101 ANALYTICAL CHEMISTRY****Teaching hours : 60 Clock Hrs****Credits: 04****Unit- I. Basic concepts of Analytical Chemistry:****12 hrs**

The nature of analytical chemistry, the role of analytical chemistry, qualitative and quantitative analytical methods, a typical quantitative analysis - sampling and treatment of samples, validation of a method.

**Statistical Treatment of analytical data:**

Introduction, types of errors, significant figures, precision and accuracy, methods of expressing accuracy, methods of expressing precision, the confidence limit, tests of significance- the F test, the student T test, rejection of results - the Q test. Statistics for small data sets, linear least squares, correlation coefficient, using spreadsheets for plotting calibration curves, slope, intercept and coefficient of determination, numericals.

**Unit - II. Basic Separation techniques: Distillation and Solvent and Solid****Phase extraction:****12hrs**

Distillation: Fractional distillation, distillation under vacuum, theory of operation of distillation methods, some practical considerations.

Solvent and Solid Phase extraction: Phase equilibrium, the partition coefficient the distribution ratio, theory of phase contact methods, single equilibrations, repeated equilibrations, counter current distribution, practical aspects and applications - extraction of metals, extraction of molecular species, Ion pair extractions, Accelerated and microwave assisted extraction, solid phase extraction, Numericals.

**Unit - III. Chromatography****12 hrs**

Introduction, basic principles and theory of chromatographic techniques, plate theory of chromatography, rate theory of chromatography, other factors in zone broadening, Development of the chromatogram - Frontal analysis, elution analysis displacement analysis, selection of chromatograph system, qualitative and quantitative analysis by chromatography.

**Unit - IV. Chromatographic Systems****12 hrs****(a) Thin layer Chromatography:**

Basic principles, experimental techniques, solvent systems, plate development, detection of components, evaluation of chromatogram by different methods, applications of TLC.

**(b) Liquid-Liquid partition chromatography:**

Introduction, theory, solid supports, selection of stationary and mobile phases, reverse phase chromatography, choice of adsorption or partition, applications of partition chromatography.

**(c) Column Chromatography:**

Principle, experimental details, theory of development, column efficiency, factors affecting column efficiency, and applications.

**(d) Gel permeation Chromatography:**

Principle materials, gel preparation, column packing, detectors and applications.

**(e) Ion Exchange Chromatography:**

Ion Exchange resins, ion exchange equilibria, ion exchange capacity of resins and its determination, applications of ion exchange resins to chromatography, ion chromatography based on suppressors

**Unit- V.****(a) Gas Chromatography:****12 hrs**

Introduction, principles of gas-liquid chromatography, instrumentation - Carrier gas, sample introduction system, columns, detectors, substrates, temperature control, evaluation  
Retention volume, resolution, branches of gas chromatography, applications, numericals.

**(b) High Performance Liquid Chromatography:**

Principle, instrumentation - column, column packing, mobile phase, pumping system, detector system, practical procedure, applications, HPLC adsorption and partition chromatography.

**Reference Books:**

1. Fundamental of Analytical Chemistry 8th Edn. Skoog, West Hollar, Couch.
2. Analytical Chemistry 6th Edn., G.D. Christian
3. Chemical Separations and Measurements, D.G. Peters, J.M. Hayes and G.M. Hieftie
4. Instrumental Method of Chemical Analysis, G.R. Chatwal & S.K. Anand.

**CHE-102 INORGANIC CHEMISTRY****Teaching hours: 60****Credit : 04****Unit -I & II: Group theory and symmetry concepts****24 hrs.**

Introduction to symmetry operations, symmetry elements, point group, classifications of point groups, point group of  $H_2O$ ,  $NH_3$ ,  $CO_2$ ,  $BF_3$ ,  $C_2H_4$ ,  $PCl_3$ ,  $PCl_5$ ,  $C_6H_6$ ,  $[PtCl_4]^-$ ,  $[PtCl_2(NH_3)_2]$ ,  $[CoCl_2(NH_3)_4]$ ,  $HCl$ ,  $BeF_2$ ,  $CO$ ,  $[FeF_6]$ ,  $C_2H_2Cl_2$ , o, m, & p substituted benzene molecule. ( $AB_2$ ,  $AB_3$ ,  $AB_4$ ,  $AB_5$  and  $AB_6$  type molecules) Application of point group, definition of group, properties of group, Group multiplication table, matrix representation of symmetry elements. Reducible and irreducible representation, character of representation, character of matrix, Conjugate matrix, Properties of irreducible representations, Great orthogonality theorem (without proof) and its importance, construction of character table of  $C_{2v}$  &  $C_{3v}$  point group. Mulliken symbolism rules for irreducible representations & its applications with examples. Standard reduction formula direct product and uses.

**Unit III : Reaction mechanism of transition metal complexes.****12 hr**

Classification of inorganic reactions, ligand substitution reaction and their mechanisms of octahedral complexes, acid hydrolysis, factors affecting the acid hydrolysis base hydrolysis, conjugate base mechanism, Electron transfer reaction: mechanism of inner and outer sphere electron transfer reactions in octahedral complexes.

**Unit IV : Metal ligand equilibria in solution:****12 hrs**

Definition of stability constant, step wise and overall formation constant, factors affecting the stability of metal complexes with reference to the nature of metal ion and ligand. Determination of formation constant for binary complexes using pH-metric technique.

**Unit V : Inorganic chemistry in biological systems****12 hr**

Essential and trace elements in biological systems and their functions, structure and function of metalloenzymes, metallo drugs and metalloporphyrins, Role of Rhodium, Gold, Copper and cobalt complexes as anticancer agents, Electron transfer, Respiration and photosynthesis reaction, Metal deficient diseases of Fe, Zn, Cu and Mn and their therapy.

**Reference books:**

1. Symmetry and Spectroscopy of Molecules, K.Veera Reddy.
2. Group Theory and symmetry in Chemistry, Gurdeep Raj. Ajay Bhagi and Vinod Jain.
3. Inorganic Chemistry, J.E.Huhey and Keiter R. L
4. Mechanism of Inorganic Reaction. II Edn. Fred Basolo and R.G.Pearsons.
5. Selected Topic in Inorganic Chemistry, Wahid U. Malik, G.D.Tuli and R.D.Madan.
6. Advanced Inorganic Chemistry, F.A.Cotton and Wilkinson.
7. Advanced Inorganic Chemistry, Satyaprakash, G.D.Tuli, S.K.Basu and R.D.Madan.
8. Advanced Inorganic Chemistry, Volume I and II Gurdeep Raj.
9. Concise Inorganic Chemistry, J.D.Lee.
10. A Textbook of bioinorganic chemistry, A. K. Das



**CHE-103 ORGANIC CHEMISTRY****Total teaching hrs: 60****Credits: 04****Unit-I: Nature of Bonding in Organic Molecules:****[12 hrs]**

Delocalized chemical bonding, conjugation, cross conjugation, resonance, hyperconjugation, bonding in fullerenes, tautomerism.

Aromaticity in benzenoid and non-benzenoid compounds, alternant and non-alternant compounds, Huckel rule, energy level of  $\pi$ -molecular orbitals, annulenes, aromaticity, homo-aromaticity,  $\psi$ -aromaticity, PMO approach; Bonds weaker than covalent - addition compounds, crown ether complexes and cryptands, inclusion compounds, cyclodextrin, catenanes and rotaxanes.

**Unit-II: Reaction Mechanism : Structure and Reactivity****[12 hrs]**

Types of Mechanisms, Types of reactions, Thermodynamic and Kinetic requirements, Kinetic and Thermodynamic control, Hammond's postulate, Curtin-Hammett Principle, Potential energy diagrams, transition states and intermediates, methods of determining mechanisms, isotope effects, hard and soft acids and bases, Generation, structure, stability and reactivity of carbocations, Carbanions, free radicals, carbenes and Nitrenes. Effect of structure on reactivity, resonance and field effect, steric effect quantitative treatment, The Hammett equation, Linear free energy relationship, substituent and reaction constants, Taft equation.

**Unit-III & IV: Stereo-chemistry:****[24 hrs]**

Elements of symmetry, chirality, Enantiomeric and diastereomeric relationships, R and S, E and Z nomenclature. Molecules with more than one chiral center, Threo and Erythro isomers, Prochiral relationships, groups and faces, stereospecific and stereoselective reactions. Optical activity in the absence of Chiral Carbon (Biphenyls, allenes and Spiranes), Chirality due to helical shape. Methods of resolution, optical purity, stereochemistry of the compounds containing Nitrogen, Sulphur and phosphorous. Conformational analysis of cycloalkanes, Mono and disubstituted cyclohexanes, decalins, effect of conformation on reactivity.

**Unit-V: Aliphatic Nucleophilic and Electrophilic Substitutions:****[12 hrs]**

**Nucleophilic:** The  $SN^2$ ,  $SN^1$  mixed  $SN^1$  and  $SN^2$  and SET mechanisms. The neighbouring group mechanism, Neighbouring group participation by  $\pi$  and  $\sigma$ -bonds, anchimeric assistance. The  $SN^1$  mechanism. Nucleophilic Substitution at an allylic aliphatic trigonal and a vinylic carbon.

Reactivity : Effect of substrate structure, attacking nucleophile, leaving group and reaction medium. Phase transfer catalysis, Ambident nucleophiles, regioselectivity.

**Electrophilic:** Bimolecular mechanisms- $SE^2$  and  $SE^i$ . The  $SE^1$  mechanisms. Electrophilic substitution accompanied by double bond shifts.

**Reference Books:**

1. Advanced Organic Chemistry, IV Edition: J. March
2. Stereochemistry of Carbon Compounds: E. L. Eliel
3. Advanced organic Chemistry, Part-A and Part-B: F. A. Carey, & R. J. Sundburg.
4. A Guide Book to Mechanism in Organic Chemistry: Peter Sykes.
5. Synthetic Organic Chemistry: H. O. House
6. Principles of Organic Synthesis: R. O. C. Norman
7. Stereochemistry of Organic Compounds: D. Nashipuri
8. Organic Chemistry: Clayden and Greeves

## 9. Mechanism and Structure in Organic Chemistry: E. S. Gould

M.Sc. Chemistry Semester-I

**CHE-104 PHYSICAL CHEMISTRY****Total Teaching Hours : 60****Credits: 04****Unit I: Ionic Equilibria and Biological Reactions****12 hrs.**

Exact treatment of the dissociation of weak acids and bases, Dissociation constant of polyprotic acids, Statistical effects in polyprotic acids, Dissociation constant of complex ions, Logarithmic expression for pH and pOH, Calculations involving buffer solution, buffer capacity and buffer index, Salt effect and solubility product and its applications. Thermodynamics of biochemical reactions, Binding of oxygen by myoglobin and hemoglobin, Reaction between microscopic and macroscopic dissociation constant.

**Unit II: Chemical Dynamics****12 hrs.**

Collision theory, modified collision theory, weakness of the collision theory, Theory of absolute reaction rates, equilibrium hypothesis, Derivation of the rate equation, statistical mechanical derivation and thermodynamic formulation. Isotope effect on reaction rate. Primary salt effect, secondary salt effect.

Dynamics of uni-molecular reactions, Lindmann and Hinshelwood theory

Kinetics of fast reactions, study of fast reactions by flow method, relaxation method, flash photolysis and NMR method.

Reactions in solution: Reaction between ions, influence of solvent-double sphere model, single sphere model, influence of ionic strength, numericals.

**Unit III: Classical Thermodynamics****12 hrs.**

Nernst heat theorem, the third law of thermodynamics, determination of absolute entropies of solids, liquids and gases. Partial molar properties : Partial molar free energy, chemical potential, partial molar volume and partial molar heat content and their significance, determination of these quantities, concept of fugacity and determination of fugacity.

Thermodynamic probability of a system of a distinguishable and indistinguishable particles, Sterling approximation, Boltzmann distribution law, Bose Einstein distribution law and Fermi – Dirac distribution law, partition function, energy in terms of partition function, entropy in terms of partition function, translational partition function, entropy for monoatomic gases, Sakur-Tetrode equation, rotational partition function, vibrational partition function, numerical.

**Unit IV: Surface Chemistry:****12 hrs.**

Surface tension, capillary action, pressure difference across curved surface (Laplace equation) vapour pressure of droplets (Kelvin equation) Gibbs adsorption isotherm, estimation of surface area (BET equation), surface films on liquids (Electro kinetic phenomenon), catalytic activity at surfaces, numericals.

Colloidal electrolytes, Types of micelles in colloidal electrolytes, Micellization, Thermodynamics of micellization, Mechanism of Micellization, critical micellar concentration, Determinations of critical micellar concentration, Surface active agents, Classifications of surface active agents, Reverse micelles, Solubilization

**Unit V: Electro-Chemistry****12 hrs.**

Debye-Huckel theory of strong electrolytes, Debye-Huckel-Onsager equation Testing of the equation, Debye-Falkenhagen effect, Wein effect, activity coefficient, mean ionic activity coefficient; Debye-Huckel limiting law ionic strength. Electrocapillary phenomena, and its

measurements. Effect of anions, cations and molecules on electrocapillary curves. Electrocapillary properties of mercury-solution interface.

Polarography: the Ilkovic equation and its derivation, concentration polarization, instrumentation, advantages of DME, half wave potential. Applications of polarography, numerical.

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**References books:**

1. Chemical Kinetics - Laidler (McGraw-Hill)
2. Kinetic and Mechanism of Chemical Transformations - J. Rajaram and J.C. CURIACOSE (Macmillan India Ltd.)
3. Physical Chemistry - Alkins (Oxford)
4. Thermodynamics for Chemists - S. Glasstone (EWP, New Delhi)
5. Physical Chemistry - G. M. Barrow
6. Advanced Physical Chemistry - Gurdeep-Raj (Pelenum)
7. Micelles : Theoretical and Applied Aspects - V. Moroi (Plenum)
8. Text Book of Physical Chemistry - S.Glasstone (McMillan)
9. An Introduction to Electrochemistry - S. Glasstone (EWP, New Delhi)
10. Physical chemistry – Robert A .Alberty ., Robert J .Silbey
11. Statistical Thermodynamic – M. C. Gupta

**CHE-205 SPECTROSCOPIC METHODS OF ANALYSIS****Teaching hours : 60 hrs****Credits : 04****Unit -I : General introduction of spectral methods of analysis.****12 hrs**

Characterization of electromagnetic radiations, Regions of the spectrum, Interaction of radiations with matter - absorption, emission, transmission, reflection, dispersion, polarization and representation of spectra. resolving power, signal to noise ratio. line width, and intensity of spectral lines. Energy levels. Components of spectrometer and their functions.

**Microwave spectroscopy:** Rotation of molecules, rotational spectra, diatomic molecules - rigid diatomic molecules, effect of isotopic substitution, non-rigid rotator, the spectrum of non-rigid rotator, instrumentation and applications, numerical problems.

**Unit - II : Vibrational and Raman spectroscopy****12 hrs**

Review of linear harmonic oscillator, the vibrating diatomic molecule, the simple harmonic oscillator, the anharmonic oscillator, the diatomic vibrating rotator, the vibration-rotation spectrum of carbon monoxide, breakdown of the Born-Oppenheimer approximation, the vibration of polyatomic molecules, overtones and combination frequencies, the influence of rotation on the spectra of polyatomic molecules, the influence of nuclear spin, symmetric top molecules, analysis by Infra-red technique - Group frequencies, outline of technique and instrumentation. **Raman spectroscopy:** Theories of Raman effect, pure rotational, Vibrational and Vibrational-rotational. Raman spectra, rule of mutual exclusion, overtone and combination vibrations, Rotational fine structure, Instrumentation and applications.

**Unit -III :****12 hrs**

**Photoelectron spectroscopy :** Basic principles, ESCA- Introduction - ESCA - ESCA satellite peaks spectral splitting ESCA chemical shifts, instrumentation, applications, Auger electron spectroscopy (brief review)

**Thermal methods of analysis :**

Thermogravimetry, principles, factors affecting thermal curve and application. Differential thermal analysis - principles, factors affecting DTA curve, applications. Differential scanning calorimetry - principles, instrumentation and applications. thermometric titrations, numerical.

**Unit -IV.****12 hrs****Ultraviolet- Visible Spectroscopy :**

Various Electronic transitions, chromophores, Auxochromers, Bathochromic and Hypsochromic Shifts, Effect of solvent on electronic transitions, Woodward-Fieser rules for dienes, enones and aromatic compounds, Applications of U.V.

**Infrared Spectroscopy**

Characteristic vibrational frequencies of alkenes, alkynes, aromatic compounds, Carbonyl compounds, hydroxy compounds, amines and metal-ligand complexes. Factors affecting IR group frequencies, overtones, combination bands and Fermi resonance. Applications of IR.

**Unit- V.****Nuclear Magnetic Resonance Spectroscopy****12 hrs**



Elementary Ideas, Chemical Shifts, Factors affecting chemical shifts, Spin-Spin couplings and coupling constants (J), Integration. Problems based on combined applications of UV, IR and NMR.

**References Books :**

1. The Determination of Molecular Structure : P. J. Wheatley
2. Physical Chemistry : G. M. Barrow
3. Instrumental Methods of Chem. Anal. Chatwal and Anand.
4. A Text book of Phy. Chem. : A.S. Negi & S. C. Anand
5. Instrumental Methods of Chemical Analysis - Willard, Merritt, Dean & Seale
6. Instrumental Methods of Chemical Analysis - Chatwal, Anand
7. Instrumental Methods of Chemical Analysis - B.K. Sharma
8. Instrumental Methods of Chemical Analysis -R.D. Braun
9. Analytical Chemistry : Skoog and West
10. Principles of Instrumental Analysis : Skoog and West.
11. Fundamentals of Molecular Spectroscopy : Banwell.
12. Atomic and Molecular Structure : Manas Chanda
13. Molecular Spectroscopy : B.D. Acharya
14. Molecular Spectroscopy : Dyer.
15. Organic Spectroscopy : P.S. Kalsi (6th Edition).
16. Spectroscopic Methods in Organic Chemistry : D.H. Williams and I.Fleming.
17. Spectrometric Identification of Organic Compounds : R.M. Silverstein, Morrill and G.C. Bassler
18. Introduction to Spectroscopy : Pavia, Lampman and Kriz (3rd Edition)
19. Organic Spectroscopy : William Kemp (3rd Edition).
20. Quantum Chemistry- B. K. Sen
21. Inorganic Chemistry - Atkin and Shriver.

M.Sc. Chemistry Semester-II

**CHE-206 INORGANIC CHEMISTRY****Teaching hours: 60****Credit : 04****Unit -I : Spectroscopic term symbols:****12 hrs.**

Terms, Inter-electronic repulsion, spin orbit coupling, ground terms, determination of terms symbol for  $d^1$  to  $d^5$  Configuration / complexes, Hund's rule, microstates, Racah Parameter. Weak and stronger field approach, correlation diagram of  $d^1$ ,  $d^2$ ,  $d^8$  and  $d^9$  configuration in octahedral and tetrahedral environments, Non-crossing rule, Orgel diagram of  $d^1$  to  $d^9$  configuration in an octahedral and tetrahedral environments, Tanabe Sugano diagram of  $d^2$  and  $d^3$  configuration of an octahedral environments.

**Unit II : Electronic Spectra and magnetic properties of metal complex :****12 hrs.**

Types of experimental recording of the spectra, interpretation of electronic spectrum of transition metal complex with suitable examples, Band intensities, intensity of d-d bands, intensity of charge transfer bands. Calculation of  $D_q$ , B and  $\beta$  parameters. Classification of charge transfer transitions and their mechanisms with suitable examples. Magnetic moment, electronic spectrum and structure of cobalt and Nickel complexes. ferromagnetic and anti-ferromagnetic behavior of compounds. Magnetic exchange coupling,

**Unit III : Chemistry of Metal Carbonyls****12 hrs.**

Classification; Chemistry of carbonyl group Preparation, properties, structures and bonding in - iron carbonyls,  $Ni(CO)_4$ ,  $Co_2(CO)_8$ ,  $Mn_2(CO)_{10}$ ,  $Cr(CO)_6$ ,  $Mo(CO)_6$  and  $W(CO)_6$ ,  $Co_4(CO)_{12}$  and  $V(CO)_6$ . EAN rule applied to these carbonyls structures of mixed carbonyls of transition metals and EAN rule applied to these carbonyls. Preparations carbonyl halides

**Unit IV: Metal nitrosyl compounds****12hrs.**

Preparations and properties of Nitrosyl halides (NOX), Metal nitrosyl halides, compounds containing NO- group, Compounds containing NO+ groups, Preparation, structure and application of sodium Nitropruside. EAN and Eighteen electron rules applied to: Nitrosyl compounds of Cobalt, iron and Manganese. Significance of NO for the life of living animals

**Unit-V : Dioxygen and Dinitrogen Complexes:****12 hrs.**

Preparation of Cobalt containing dioxygen complexes, structural and functional analogy of cobalt dioxygen complexes with naturally occurring dioxygen complexes.

Preparation, properties and structures of dinitrogen complexes of Molybdenum, Structural and functional similarities with naturally occurring hemoglobin and nitrogenase protein and enzymes. Preparation, structure and bonding in Non-carbonyl metal clusters viz. Binuclear  $(Re_2Cl_8)^{2-}$ , Trinuclear  $(ReCl_3)_3$ , Tetranuclear  $(W_4(OR)_6)$  and Hexanuclear  $(Mo_6Cl_6)^{4+}$  ions. Preparation, properties and structures of Zintl anions & cation of the metal Ge, Sn, Pb, Sb, Bi

**References Books:**

1. Advanced Inorganic Chemistry Vol. I & Vol. II - By - Gurdeep and Raj.
2. Inorganic Chemistry (Principles, Structures and Reactivity) (Fourth Edition)  
By - J.E. Hubeey, E.A. Keitler, R.L. Keitler.
3. Inorganic Chemistry (111rd Edition) - By G. Y. Miessler and D.A. Tarr.
4. Advanced Inorganic Chemistry - Vol. I - By Satyaprakash, Tuli, Basu and Madan.
5. Selected Topics in Inorganic Chemistry - By W.U. Malik, G.D. Tuli & R.D. Madan.
6. Chemistry of the Elements - By N. N. Greenwood and A. Earnshaw.
7. Inorganic electronic spectroscopy, - A.B.P. Lever.

8. Symmetry and Spectroscopy of Molecules - K. Veera Reddy.
9. Physical Chemistry through problem - Dogra and Dogra.
10. Inorganic Chemistry - Atkin and Shriver.
11. Concise Inorganic Chemistry - By J.D. Lee.
12. Element of Magnetochemistry - By A.Samal & R. L. Datta.
13. Some aspect of Crystal Field theory- T. M. Dunn, D.S.McClure & R. G. Person
14. Introduction to Magnetochemistry- Alan Earnshaw
15. Introduction to Ligand Field - B. N. Figgis.-

**CHE-207 ORGANIC CHEMISTRY****Teaching hrs: 60****Credits: 04****Unit-I: Aromatic Electrophilic and Nucleophilic Substitutions: [18 hrs]**

**Electrophilic Substitutions:** The arenium ion mechanism, orientation and reactivity, energy profile diagram. The ortho/para ratio, IPSO substitution, orientation in other ring system, Recapitulation of halogenation, nitration, sulphonation and Friedel Craft's reaction, diazonium coupling. **Nucleophilic Substitution:** The  $S_N^{Ar}$ ,  $S_N^1$ , benzyne mechanism, Effect of substrate structure, leaving group and attacking nucleophile on reactivity.

**Unit-II: Addition to Carbon –Carbon multiple bond: [12 hrs]**

Mechanism and stereochemical aspect of addition reaction involving electrophile, nucleophile and free radicals. Regioselectivity and chemoselectivity, orientation and reactivity, Michael addition, Sharpless asymmetric epoxidation.

**Unit-III: Addition to Carbon–Hetero Multiple bond: [12 hrs]**

Mechanism of metal hydride reduction of saturated and unsaturated carbonyl compounds, acid, ester and nitriles. Addition of Grignard reagent, Organo zinc and organo lithium reagent to carbonyl and unsaturated carbonyl compounds. Wittig reaction, Mechanism of condensation reaction involving enolates – Aldol, Knoevenagel, Claisen, Mannich, Benzoin, Perkin, Stobbe reaction. Hydrolysis of esters and amides.

**Unit-IV: Elimination Reactions: [12 hrs]**

The  $E_1$ ,  $E_2$ , and  $E_{1CB}$  mechanism, orientation of double bond. Reactivity: effect of substrate structure, attacking base, the leaving group and the medium, pyrolytic elimination.

**Unit-V: Rearrangements: [06 hrs]**

General mechanistic consideration, nature of migration, migratory aptitude, memory effect, pinacole, pinacolone, Benzil–Benzilic acid, Beckmann, Hoffman and Fries rearrangements.

**Reference Books:**

1. Advanced Organic Chemistry, IV Edition: J. March
2. Advanced organic Chemistry, Part-A and Part-B: F. A. Carey, & R. J. Sundburg.
3. A Guide Book to Mechanism in Organic Chemistry: Peter Sykes.
4. Synthetic Organic Chemistry: H. O. House
5. Principles of Organic Synthesis: R. O. C. Norman
6. Organic Chemistry: Clayden and Greeves
7. Mechanism and Structure in Organic Chemistry: E. S. Gould



**CHE-208 PHYSICAL CHEMISTRY****Teaching Hours : 60****Credits: 04****Unit - I: Quantum Chemistry: I****12 hrs.**

The Schrodinger equation, particle in a one dimensional box, Eigen values and Eigen functions, operators, properties of quantum mechanical operators, Hermitian, Linear, Ladder, Hamiltonian and angular momentum operators.

Particle in three dimensional box, harmonic oscillator, rigid rotator and numericals.

**Unit - II: Quantum Chemistry: II****12 hrs.**

Term symbols and selection rules, spin-orbital coupling, the variation theorem, non-degenerate perturbation theory and applications. Huckel molecular orbital theory of conjugated systems, application to ethylene, butadiene, cyclopropenyl radical, cyclobutadiene and benzene, numericals.

**Unit -III : Phase Rule:****12 hrs.**

Recapitulation of phase rule and terms involved in it, one component system, two component systems (solid-solid, solid-liquid and liquid-liquid), reduced phase rule, three component systems, partially miscible three liquid systems : one partially miscible pair, two partially miscible pairs, three partially miscible pairs, systems composed of two solids and a liquid : crystallization of pure components only, formation of binary compounds, formation of ternary compounds, formation of solid solutions, partial miscibility of solid phases, numericals.

**Unit -IV : Crystallography****12 hrs**

Classification of solids on the basis of shapes, and bonding, crystal lattice and unit cell, laws of crystallography crystal symmetry, symmetry elements, lattice planes and their designations, liquid crystals.

Principle of crystal structure. close packing of atoms, packing of equal sized spheres in HCP, CCP, BCC structures. packing in ionic solids, ionic radius, radius ratio rule, (3, 4, 6, 8 coordinate structures). octahedral and tetrahedral voids, isomorphism and polymorphism, numericals.

**Unit -V : Photochemistry****12 hrs.**

Absorption of light and nature of absorption spectra, electronic transitions. photo-dissociation and pre-dissociation. photo-oxidation, photo-reduction and photo-dimerization. photo-physical phenomenon. Jablonski diagram. photo-physical pathways of molecular de-excitation, difference between delayed fluorescence and phosphorescence, Stern-Volmer equation, deviations from Stern-Volmer equation, concentration dependence of quenching and excimer formation, quenching of fluorescence formation of excimer and excipies.

**References Books:**

1. Quantum Chemistry : Ira N. Levine
2. Quantum Chemistry : R.K. Prasad
3. Quantum Chemistry : B.K. Sen
4. Principles of Physical Chemistry : Puri, Sharma, Pathania
5. Advanced Physical Chemistry : Gurdeep - Raj, Plenum.
6. Physical Chemistry : Maron and Prutton
7. Introduction to Molecular Photo-chemistry : C.H.J. Wells
8. Fundamentals of Photo-chemistry : Rohatgi-Mukherjee.
9. Photo-chemistry : J.G. Calvert & J.N. Pitts.
10. Photo-luminescence of solutions : C.A. Parker.
11. Photo-chemistry : A. Singh and R. Singh
12. Atkin's Physical Chemistry : Peter Atkins

- 13.Solid State Chemistry : D.K. Chakraborti
- 14.Solid State Chemistry and its applications : A.R. West.
- 15.The Determination of Molecular Structure ; P.J. Wheatley.
- 16.Solid State Chemistry : N.B. Hannary.
- 17.Principles of Solid State : H.V. Keer.
- 18.Physical Chemistry : G.K. Vemulapalli.

**CHE -210 LABORATORY COURSE ( INORGANIC )****Laboratory work hours: 135 hrs.****Credit : 4.50****List of experiments****I) Semi micro Qualitative Inorganic analysis.****08 mixtures**

Identification of basic radicals including one rare earth and three common metal ion and one interfering acidic radical using semi micro qualitative analysis method

**Note :** Each mixture should contain different rare earth elements

**II) A. Separation and estimation of metal ions from the following****binary mixture solutions :****Any [ 04 ]**

- |                    |                   |                    |
|--------------------|-------------------|--------------------|
| 1. Copper- Nickel  | 2. Copper- Iron   | 3. Nickel- Zinc    |
| 4. Iron- Magnesium | 5. Copper- Barium | 6. Iron –Aluminium |

**III).Synthesize, characterization and estimation of metal ion from the metal complexes.****Any [ 07 ]**

- |   |   |   |
|---|---|---|
| 1. $\text{Ti}(\text{C}_9\text{H}_8\text{NO})_2 \cdot 2\text{H}_2\text{O}$ | 2. $\text{VO}(\text{acac})_2$                                       | 3. Cis-   |
| $\text{K}[\text{Cr}(\text{C}_2\text{O}_4)_2(\text{H}_2\text{O})_2]$       |   |   |
| 4. $[\text{Mn}(\text{acac})_3]$   | 5. $\text{K}_3[\text{Fe}(\text{C}_2\text{O}_4)_3]$                  | 6. $[\text{Co}(\text{II})(\text{Py})_2\text{Cl}_2]$ |
| 7. $[\text{Co}(\text{III})(\text{NH}_3)_6]\text{Cl}_3$                    | 8. $[\text{Co}(\text{III})(\text{NO}_2)(\text{NH}_3)_5]\text{Cl}_2$ | 9. $[\text{Ni}(\text{NH}_3)_6]\text{Cl}_2$          |

**Note :** i).Synthesis should be carried out using (0.02 to 0.06 mole ) of the starting materials.  
ii). Practical Yield, % yield, theoretical yield and percentage of metal ion content should be recorded

**IV) Paper Chromatography :****Any [02 ]**

- Determine the  $R_f$  Values of Silver lead and Mercury by paper Chromatographic method.
- Determine the  $R_f$  Values of Copper, Cadmium and Mercury by paper Chromatographic method
- Determine the  $R_f$  Values of Nickel, Manganese and Zinc by paper Chromatographic method
- Determine the  $R_f$  Values of Barium, Calcium and Strontium by paper Chromatographic method

**Note :** Submit the Paper chromatograph for verification with  $R_f$  values.

**Note :** Student will not be allowed for practical examination if his/her record book is not completed and certified.

**Reference Book:**

- A Text book of Micro and Semi micro Qualitative Inorganic Analysis ; IV edn, A. I. Vogel
- A Text book of Quantitative Inorganic Analysis; A. I. Vogel
- Practical Inorganic Chemistry; Pass Geoffrey and Haydn Sutcliffe.
- Advanced Practical Inorganic Chemistry; Gurudeep Raj;.
- Vogel's Qualitative Inorganic Analysis, D. Svehla, VII Edn.Orient Longman Ltd.

**CHE -209 LABORATORY COURSE ( General & Analytical Chemistry)****Laboratory work hours: 135 hrs.****Credit : 4.50****List of Experiments**

1. Determination of saponification value of an oil sample.
2. Determination of active chlorine in the given sample of bleaching powder.
3. Determination of ion exchange capacity of given ion-exchange resin.
4. Determination of  $Mg^{++}$  from given sample of talcum powder.
5. Determination of aspirin in the given tablet.
6. Determination of molality of given unknown solution by volhard method.
7. Determination of Hardness of the water sample.
8. Determination of pKa value of given substituted Benzoic acid
9. Determination of chemical oxygen demand (COD) of the given water sample.
10. Determination of  $Cu^{2+}$  ion in the given solution spectrophotometrically.
11. Determination of dichromate & permanganate ion simultaneously in the given sample spectrophotometrically.
12. Determine the molecular weight of a given polymer by turbidimetry
13. Determine the concentration of sulphuric acid, acetic acid & copper sulphate in the given solution by conductometric titration method.
14. Estimation of Na/ K/ Li/ Ca by Flame photometry
15. Determination of Phosphoric acid concentration by pH meter
16. Estimation of Vitamin C by 2,6 dichloro-indophenol method
17. Assay sulphur drugs.

**Scheme of marking :-****Max. Mark – 50**

- |                  |   |    |
|------------------|---|----|
| 1) Experiment I  | - | 20 |
| 2) Experiment II | - | 20 |
| 3) Record Book   | - | 05 |
| 4) Viva          | - | 05 |



**Scheme of Marking:****I Semi micro Inorganic analysis:****25 Marks**

- i). Preliminary Test : [ max. marks:02 ]  
 ii). Group identification: [ max. marks:06 ]  
 iii). Step wise analysis of groups : [max. marks:05]  
 iv). C.T of Acidic/Basic radicals : [ max. marks:06 ]  
 v). Spot test : [ max. marks:06 ]

**Note :** At least one spot test for each radical should be performed and be reported

**II) Separation and Estimations:****20 Marks**

- i). Flow chart of separation : [ max. marks;02 ]  
 ii). Estimation of first component by gravimetric / volumetric method ,  
 observation table, : [ max. marks:08 ]  
 iii). Estimation of second component by gravimetric / volumetric method,  
 observation table : [max. marks:08 ]  
 iv). Correct calculation & reporting results : [ max. marks:07 ]

**III) Synthesis & estimation of Metal Complexes****20 Marks**

- i). Spectral Analysis (UV/IR ) : [max. marks :04 ]  
 ii). Yield of complexes : [max. marks: 04 ]  
 iii). Estimation of metal percentage by gravimetric / volumetric method,  
 observation table, : [max. marks: 08 ]  
 iv). Correct calculation & reporting of results : [max. marks: 04 ]

**IV) Paper Chromatography :****10 Marks**

- i) Submission of paper chromatograph: [ max.marks:05 ]  
 ii). Correct calculation & reporting of results : [ max. marks:04 ]  
 V) Record Book & Viva : [max .marks 05]

**CHE -211 LABORATORY COURSE ( ORGANIC )****Laboratory work hours: 135 hrs.****Credit : 4.50****List of experiments:****1) Qualitative Organic Analysis:****[30 Marks]**

Separation, purification and identification of binary mixtures.

The separation should be carried out using ether/ dichloromethane.

The two components may be solid-solid, solid-liquid or liquid-liquid (non-volatile).

The water soluble solid/liquid should also be given.

Student should submit the purified samples of the separated compounds and prepare a suitable derivative of the two compounds separated out.

**Note :** Analysis of at least ten mixtures should be carried out.**1) Single Stage Preparations:****[15 Marks]**

i) Benzaldehyde to cinnamic acid (Perkin Reaction).

ii) o-Iodo or o-chlorobenzoic acid from Anthranilic Acid.

iii)  $\beta$ -benzoyl propionic acid from succinic anhydride and benzene  
(Friedel-Craft reaction)

iv) p-nitro acetanilide from acetanilide.

v) p-nitrobromobenzene from bromobenzene.

vi) Dibenzal acetone from Benzaldehyde

vii) Salicylaldehyde from phenol (Reimer-Tiemann Reaction).

**Note:**

i) The preparations should be carried out using (0.02 to 0.05 mole) of the starting material.

ii) The yield, melting point and TLC of the recrystallised product should be recorded.

iii) The sample of the purified product and TLC plate should be submitted for inspection.

**Note :** Student will not be allowed for practical examination if his/her record book is not completed and certified.**Scheme of Marking:****1. Qualitative Organic Analysis**

	<b>Marks</b>
Type of the mixture	06
i). Analysis of the individual components:	
ii). Detection of Elements	03
iii). Detection of functional groups	02
iv). Determination of MP/BP	03
v). Preparation of the derivative	02
vi). Identification (Spotting)	02

**2. Preparation**

i). Yield of the recrystallized product	05
ii). MP of the recrystallized product	05
iii). TLC of the recrystallized product	05
3) Record Book + Viva voce	05

## CHE -212. LABORATORY COURSE ( PHYSICAL )

Laboratory work hours: 135 hrs.

Credit : 4.50

### List of experiments

#### A. Instrumentation.

1. Determination of strengths of halides in a mixture potentiometrically.
2. Determination of dissociation constants of phosphoric acid potentiometrically.
3. Determination of dissociation constants of weak acid potentiometrically.
4. Determination of acidic and basic dissociation constants of an amino acid and its isoelectric point.
5. Determination of the strength of strong and weak acid in a given mixture conductometrically.
6. Determination of solubility and solubility product of sparingly soluble salt  $\text{BaSO}_4$ .
7. Study of kinetics of inversion of cane sugar.
8. Determination of equilibrium quotient for the formation of monothiocyanato iron (III) complex.
9. Determine the indicator constant of given indicator by colorimetric measurements.
10. Determine the  $\text{pK}_1$  and  $\text{pK}_2$  value of phosphoric acid by pH metry.
11. To study the kinetics of mutarotation of glucose/fructose potentiometrically.

#### B. Non-Instrumentation.

1. Determine the molecular refraction of methyl acetate, ethyl acetate, n-hexane and carbon tetrachloride and calculate the refraction of  $\text{CH}_2$ , C, H and O atoms.
2. To study the effect of surfactants (sodium chloride) on surface tension of given liquid.
3. To determine the radius of molecule by viscosity measurements.
4. To study the adsorption of acetic acid from aqueous solution by activated charcoal and examine the validity of Freundlich and langmuir's isotherm.
5. To construct the phase diagram for three component system (chloroform-acetic acid-water).
6. Determine the solubility of benzoic acid in water at different temperature and hence its heat of solution.
7. Determine the velocity constant of hydrolysis of ester.
8. To study auto catalysis reaction between potassium permanganate and oxalic acid.
9. Determine the rate constant of the reaction between potassium persulphate and potassium iodide having equal/unequal concentration of the reacting species.
10. Determine the formula of the complex formed between  $\text{Cu(II)}$  and ammonia by distribution method.
11. To study the variation of viscosity with the composition of mixtures (ethanol-water- $\text{HNO}_3$ -chloroform) and to determine the formation of complex between two liquids.

**Note :** Student will not be allowed for practical examination if his/her record book is not completed and certified.

**Scheme of marking :**

1) Experiment I (Instrumentation)	Max .Marks	Experiment -II ( Non-instrumentation)	Max. Marks
i) Observation :	10		08
ii) Calculation :	05		04
iii) Graph :	05		04
Accuracy& Results :	05		04
Record book & Viva :	05		05



**D R. BABASAHEB AMBEDKAR  
MARATHWADA UNIVERSITY,  
AURANGABAD.**



**Curriculum under Choice Based Credit &  
Grading System**

**M.Sc.**

**Organic Chemistry**

**Semester-III & Iv**

**run at college level from the  
Academic Year 2015-16 & onwards**

**Dr. Babasaheb Ambedkar Marathwada University,  
Aurangabad  
Department of chemistry**

## **Revised Syllabus**

*11.06.2015*  
*A. K. Patil*  
Professor & Head  
Dept. of Chemistry  
Dr. Babasaheb Ambedkar  
Marathwada University,  
Aurangabad-431004.

M. Sc.III & IV semester Organic Chemistry.

**Effective from June 2014**

The following will be the structure for revised syllabus for M. Sc. Organic Chemistry III & IV semester effective from June 2014

Semester	Paper Nos.	Title of Paper	Durations (Hr)	Max. Marks	Credits
III- Semester Theory courses	CHE-313	Structural Elucidation by Spectral methods	60	50	4
	CHEO- 314	Organic Synthesis	60	50	4
	CHEO-315	Asymmetric Synthesis and Bio-Organic Chemistry	60	50	4
	CHEO-316	Photochemistry, Free Radicals And Pericyclic Reactions	60	50	4
IV semester Theory Courses	CHEO: 417	Organic Synthesis: Retrosynthetic Approach	60	50	4
	CHEO: 418	Advanced Organic and Heterocyclic Chemistry	60	50	4
	CHEO: 419	Chemistry of Natural Products	60	50	4
	CHEO: 420	Medicinal Chemistry	60	50	4
III & IV Semester Laboratory Courses	CHEO-421	Laboratory course ( Organic )	135	50	4.5
	CHEO - 422	Laboratory course ( Organic )	135	50	4.5
	CHEO- 423	Laboratory course ( Organic )	135	50	4.5
	CHEO- 424	Project work ( Organic )	135	50	4.5

**Third Semester****CHE-313****Credits: 04****Structural Elucidation by Spectral methods****UNIT-I Nuclear Magnetic Resonance Spectroscopy ( $^1\text{H}$  NMR)**

Elementary ideas (Recapitulation); Spin-spin couplings, Different types of couplings, factors affecting on coupling constants, Karplus equation, Spin systems (AB, AX, ABX, AMX), Rate processes, spin decoupling, shift reagents, Nuclear Overhauser effect (NOE), INEPT and INADEQUATE.

**UNIT-II  $^{13}\text{C}$  Nuclear Magnetic Resonance Spectroscopy**

Elementary ideas, instrumental problems, chemical shifts (aliphatic, olefinic, alkyne, aromatic, heteroaromatic and carbonyl carbons); Effect of substituents on chemical shifts.

**UNIT-III Mass Spectroscopy**

Introduction, ion production (EI, CI, FD and FAB), ion analysis, ion abundance, factors affecting on fragmentation, fragmentation of different functional groups, molecular ion peak, isotopic peaks, metastable peak, Nitrogen rule, McLafferty rearrangement, Retro-Diels-Alder reaction.

**UNIT-IV**

Problems based on joint applications of UV, IR,  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR and Mass spectroscopy.

**UNIT-V**

- (A) **Mossbauer spectroscopy:** Principle, factors affecting the line position and shape, isomer effect and Quadrupole splitting iron salt like compounds, complexes, carbonyl compounds (temperature dependence of isomer shift and Quadrupole splitting in simple compound and coordination, polynuclear complexes), Numericals.
- (B) **Electron Spin Resonance Spectroscopy:** Introduction, principle of ESR spectroscopy, presentation of spectrum, hyperfine splitting in various structures, hyperfine splitting diagram of representative examples, factors affecting the magnitude of 'g' values, Zero field splitting, Kramer's degeneracy, Anisotropy in the hyperfine coupling constant, electron delocalization, instrumentation and applications.

**Reference Books:**

1. Introduction to Spectroscopy: D. L. Pavia, G. M. Lampman, G. S. Kriz
2. Spectrometric Identification of Organic Compounds: R. M. Silverstein & F. X. Webster
3.  $^{13}\text{C}$  NMR Spectroscopy: G. C. Levy, R. L. Lichter, G. L. Nelson
4. Spectroscopic Methods in Organic Chemistry: D. H. Williams & I. Flemming
5. Absorption Spectroscopy of Organic Compounds: V. M. Parikh
6. Mass Spectrometry: K. G. Das & James
7. Coordination Chemistry by Experimental Methods: K. Barger
8. Coordination Chemistry vol. I: E. Martell
9. Physical Methods for Chemistry: R. S. Drago
10. Structural Methods in Inorganic Chemistry: E. A. V. Ebsworth & D. W. H. Rankin
11. Organic Structure Analysis: Philips Crews



Third Semester

CHEO-314  
Organic Synthesis

Credits: 04

**UNIT-I Oxidation**

- (a) Oxidation of alcohol to aldehyde, ketone or acid: Jones reagent, Swern oxidation, Collins reagent, Fetizon's reagent, PCC, PDC, PFC, IBX, Activated  $\text{MnO}_2$ , Chromyl chloride (Etard reaction), TEMPO, CAN, NMO, Moffatt oxidation  
 (b) Oxidative cleavage of Carbon-Carbon double bonds:  $\text{KMnO}_4$ , Ozonolysis.  
 (c) Allylic Oxidation:  $\text{SeO}_2$ ,  $\text{PhSeBr}$ .  
 (d) Selective cleavages at functional groups: Cleavage of glycols,  $\text{IO}_4^-$ ,  $\text{Pb}(\text{OAc})_4$ .

**UNIT-II Reductions**

- (a) Catalytic Hydrogenation; (b) Reduction of nitriles, oximes and nitro compounds; (c) Reduction of acids and Esters; (d) Reduction with metal hydride- Sodium cyanoborohydride, Diborane, L- & K-Selectrides,  $\text{LiBH}_4$ , DIBAL-H; (e) Reduction by dissolving metals- Sodium-alcohol, Sodium-Liq, Ammonia, Mg, Zinc-HCl or Acetic acid,  $\text{Sn/Fe-HCl}$ ; (f) Reduction of aldehyde and ketones- Platinum, Raney nickel,  $\text{NaBH}_4$ ,  $\text{LiBH}_4$ ; (g) Birch reduction and related reactions, Luche reagent, Wolf-Kishner reduction, Clemmenson reduction, Wilkinson catalyst, TBTH.

**UNIT-III Organic Reagents**

Gilbert, DCC, EDC, DDQ, 1,3 Dithiane, LDA, DMDO,  $\text{OsO}_4$ ,  $\text{RuO}_4$ ,  $\text{SmI}_2$ , Dess-Martin Periodinane, Borane Complexes, Diazomethane, Lawesson's reagent.

**UNIT-IV Reaction Intermediates**

- (a) Ylides: Preparation and their synthetic applications along with their stereochemical aspects of Phosphorous, Sulphur and Nitrogen ylides.  
 (b) Enamines: Generation & application in organic synthesis with mechanistic pathways, stork enamine reaction.  
 (c) Enolates: Generation & reaction of enolates with aldehydes and ketones, Robinson annulations, Reformatsky reaction.

**UNIT-V Formation of Carbon-Carbon bonds via organometallic reagents**

Synthesis and applications of organo Lithium, Magnesium, Titanium, Cerium, Copper, Chromium, Zinc, Boron, Silicon, Cadmium, Rhodium.

**Reference Books:**

1. Organic Chemistry: Clayden, Greeves, Warren and Wothers
2. Stereochemistry of Organic Compounds (Principle and application): D. Nasipuri
3. Stereochemistry of Organic compounds: Ernest L. Eliel / Samuel H. Wilen
4. Organic Synthesis: W. Carruthers
5. Organic Reagents: Fieser & Fieser
6. Organic Synthesis: M. B. Smith
7. Advanced Organic Chemistry; Part A and B: F. A. Carey & R. J. Sundberg
8. Modern Organic Synthesis: An Introduction: G. S. Zweifel & M. H. Nantz
9. A Guidebook To Mechanism In Organic Chemistry: Peter Sykes
10. Organic Synthesis Concepts, Methods, Starting Materials: J. Fuhrhop, G. Penzlin
11. Organic Chemistry: An Intermediate Text: Robert V. Hoffmann
12. Advanced Organic Chemistry: Jerry March
13. Organic Synthesis: R. O. C. Norman and Coxan
14. Name Reactions: Jie Jack Li

**Third Semester                      CHEO-315                      Credits: 04**  
**Asymmetric Synthesis and Bio-Organic Chemistry**

**UNIT-I Introduction to Bioorganic chemistry**

Basic concepts, Proximity effects in organic chemistry, Molecular adaptation, Molecular recognition.

**UNIT-II Enzyme Chemistry**

Nomenclature, Classification and Extraction of enzymes, Structural outlines of enzymes (proteins); Introduction to catalysis and enzymes; Multifunctional catalysis, Intramolecular Catalysis, Molecular asymmetry and prochirality, Mechanism of enzyme action, Factors responsible for enzyme specificity, Enzyme activity and kinetics (Michaelis Menten and Lineweaver–Burk plots), Enzyme Inhibitions (Reversible and irreversible), Structure, Mechanism of action and applications of  $\alpha$ -Chymotrypsin, Ribonuclease, lysozyme and Carbopeptidase-A. Enzymes in synthetic organic chemistry. [Additions, eliminations, substitutions, condensations, cyclocondensations, oxidations, reductions and rearrangement reactions are to be covered]

**UNIT-III Co-Enzyme Chemistry**

Introduction to co-enzymes, Cofactors, prosthetic groups and apoenzymes, Chemical structures of co-enzymes and cofactors, Oxidoreduction ( $\text{NAD}^+$ ,  $\text{NADP}^+$ ), Pyridoxal phosphate (PLP), Thiamine pyrophosphate (TPP), Biotin ( $\text{CO}_2$  carrier), Haemoglobin ( $\text{O}_2$ -carrier), Flavin (FMN, FAD,  $\text{FADH}_2$ ), Oxene Reactions, Lipoic acid, Mechanisms of reactions catalyzed by co-factors.

**UNIT-IV Supramolecular Chemistry and Biomimetic Chemistry (Enzyme Models)**

Host-Guest approach, Chiral recognition, Designing Enzyme Models, Ionophores, Crown ethers, cryptands, Micelles, Cyclodextrins, calixarenes.

**UNIT-V Asymmetric Synthesis**

Chiral pool, Chiral auxiliary, Enantio- & Diastereoselective synthesis, Chiral reagent and chiral catalyst including CBS reagent, NADH, Asymmetric hydrogenation including BINAP, Hydroboration-  $\text{Ipc}_2\text{BH}$ ,  $\text{IpcBH}_2$ , Asymmetric epoxidation- (+) DET & (-) DET, Sharpless, Jacobson, Asymmetric dihydroxylation-  $(\text{DHQD})_2\text{PHAL}$  &  $(\text{DHQ})_2\text{PHAL}$ , Felkin-Anh model, Zimmermann-Traxler transition state model, Proline catalyzed asymmetric reactions.

**Reference Books:**

1. Bioorganic chemistry (A chemical approach to enzyme action): Hermann Dugas.
2. Biotransformation in Organic chemistry: K. Faber.
3. Enzyme structure and Mechanism: Alan Fersht.
4. Enzyme catalysis in organic synthesis vol.1: Karlheinz Drauz and Herbert Waldmann.
5. Bioorganic, Bioinorganic and supramolecular chemistry: P. S. Kalsi and J. P. Kalsi.
6. Organic chemistry IV<sup>th</sup> Edn.: G. Marc Loudon.
7. Stereochemistry of Organic Compounds (Principle and application): D. Nasipuri
8. Stereochemistry of Organic compounds: Ernest L. Eliel / Samuel H. Wilen
9. Advanced Organic Chemistry; Part A and B: F. A. Carey & R. J. Sundberg
10. Organic Chemistry: Clayden, Greeves, Warren and Wothers
11. Organic Synthesis: W. Carruthers
12. Organic Synthesis: M. B. Smith

## Third Semester

## CHEO-316

Credits: 04

## Photochemistry, Free Radicals And Pericyclic Reactions

**UNIT-I Pericyclic Reactions-I**

Features and classification of pericyclic reactions, Phases, nodes and symmetry properties Of molecular orbital in ethylene, 1,3-butadiene, 1,3,5-hexatriene. Allyl cation, allyl radical, pentadienyl cation and pentadienyl radical. Thermal and photochemical reactions.

**Electrocyclic reactions:** Con-rotation and dis-rotation, electrocyclic closure and opening in  $4n$  and  $4n+2$  systems, Woodward-Hoffmann selection rules for electrocyclic reactions. Explanation for the mechanism of electrocyclic reactions by: (i) Symmetry properties of HOMO of open chain partner; (ii) Conservation of orbital symmetry and orbital symmetry correlation diagram and (iii) Huckel-Mobius aromatic and antiaromatic transition state method.

**UNIT-II Pericyclic Reactions-II**

**Cycloaddition reactions:** Suprafacial and antarafacial interactions. ( $\pi$ ) and ( $\pi^*$ ) cycloadditions. Cycloreversions. Stereochemical aspects in supra-supra, antara-supra and antara-antara ( $\pi^*$ ) and ( $\pi$ ) cycloadditions. Diels-Alder reaction. Woodward-Hoffmann selection rules for cycloaddition reactions. Explanation for the mechanism of cycloaddition reactions by 1) Conservation of orbital symmetry and orbital symmetry correlation diagrams 2) Fukui Frontier Molecular Orbital (FMO) theory and (3) Huckel-Mobius aromatic and antiaromatic transition state method. Endo-exo selectivity in Diels-Alder reaction and it's explanation by FMO theory. Examples of cycloaddition reactions.

**Sigmatropic reactions:**  $[1,j]$  and  $[i,j]$  shifts. Suprafacial and antarafacial shifts. Selection rules for  $[i,j]$  shifts. Cope, degenerate Cope and Claisen rearrangements. Explanation for the mechanism of sigmatropic reactions by 1) symmetry properties of HOMO 2) Huckel-Mobius aromatic and antiaromatic transition state method. Introduction to chelotropic reactions and the explanation of mechanism by FMO theory.

**UNIT-III Photochemistry-I**

**Photochemistry of ( $\pi$ ,  $\pi^*$ ) transitions:** Excited state of alkenes, cis-trans isomerisation, photochemistry state, electrocycloisatation and Sigmatropic rearrangements, di  $\pi$ -methane rearrangement.

**Intermolecular reactions:** photocycloadditions, photodimerasation of sample and conjugated olefins, addition of olefins to  $\alpha$ ,  $\beta$  unsaturated carbonyl compounds, excimers and exiplexes. Photoaddition reactions. Excited states of aromatic compounds, photodimerisation of benzene, photosubstitution reactions of aromatic compounds and Photo-Fries rearrangement.

**UNIT-IV Photochemistry-II**

**Photochemistry of ( $n$ ,  $\pi^*$ ) transitions:** Excited state of carbonyl compounds, hemolytic cleavage of  $\alpha$ -bond-Norrish type I reaction in acyclic, cyclic ketones and strained cycloalkanediones.

**Intermolecular abstraction of hydrogen:** Photo reduction and photo oxidation-influence of temperature, solvent, nature of hydrogen donors and structure of the substrate.

**Intramolecular abstraction of hydrogen:** Norrish type II reaction in ketones, esters and 1, 2-diketones.

**Addition to C-C multiple bonds:** Paterno-Buchi reaction, photodecarboxylation, photochemistry of alkyl peroxides, hypohalites and nitriles. Barton reaction. Photochemistry of azo compounds, diazo compounds, azides and diazonium salts. Singlet oxygen-photo oxygenation reactions. Ene reaction, formation of dioxetanes and endoperoxides. Chemiluminescent reactions. Oxidative coupling.

**UNIT-V Free radical reactions:**

Introduction, generation, stability, reactivity, characteristics, structural and stereo chemical properties of free radicals. Persistent free radicals.

**Reaction of free radicals:** Addition, substitutions, fragmentations (Norrish-I, II, McLafferty rearrangement), Oxidations and reductions, Neighbouring group assistance. Detection of free radicals, Homolysis and free radical displacement. Radical chain reactions, Addition and rearrangements, radical cyclization, reactivity of aliphatic and aromatic substrates at bridgehead, Coupling of alkynes and arylation of aromatic compound by diazonium salt, Sandmeyer reaction, Hunsdieker reaction, Allylic halogenations, McMurry reaction, Acyloin condensation, Birch reduction, Bouveault-Blank reduction.

**Reference Books:**

1. Advanced Organic Chemistry Part A & Part B: F. A. Carey & R. J. Sundberg
2. Advanced Organic Chemistry: Jerry March
3. Organic Chemistry: Clayden, Greeves, Warren & Wothers.
4. Organic Chemistry: Stanley H. Pine
5. Organic Synthesis: W. Carruthers
6. Organic Synthesis: Norman and Coxon



**Fourth Semester**                      **CHEO-417**                      **Credits: 04**  
**Organic Synthesis: Retrosynthetic Approach**

**UNIT-I Disconnection Approach**

Introduction to:

- (i) Grounding of organic chemistry for understanding retrosynthesis;
- (ii) Retrosynthetic analysis and designing of the synthesis;
- (iii) Disconnection approach: An introduction to synthons, synthetic equivalents, disconnection approach, functional group interconversions, importance of order of events in organic synthesis, one and two group C-X disconnections, selective organic transformations: chemoselectivity, regioselectivity, stereoselectivity, enantioselectivity, Reversal of polarity, cyclization reactions, amine synthesis.

**UNIT-II Protecting Groups**

Protection and deprotection of hydroxyl, carbonyls in aldehydes and ketones, amines, carboxylic acids, alkenes and alkynes.

**UNIT-III C-C Disconnections**

- (i) **One group C-C Disconnections:**  
Alcohols (including stereoselectivity), carbonyls (including regioselectivity), Alkene synthesis, use of acetylenes and aliphatic nitro compounds in organic synthesis.
- (ii) **Two group C-C Disconnections:**  
Diels-Alder reactions, 1,3 difunctionalized compounds and  $\alpha$ ,  $\beta$ -unsaturated compounds, control in carbonyl condensations, 1,5 difunctionalized compounds, Michael addition and Robinson annelation.

**UNIT-IV Ring Synthesis**

Introduction to ring synthesis, saturated heterocycles, synthesis of 3, 4, 5 and 6 membered rings, rearrangements and photochemistry in synthesis, aromatic heterocycles.

**UNIT-V Complex molecules**Synthetic routes based on retrosynthetic analysis for following molecules:  
Longifoline, Reserpine, Juvabione, Amphidicoline, Taxol.**Reference Books:**

1. Organic Synthesis: The Disconnection Approach: Stuart Warren
2. Designing Organic Synthesis: Stuart Warren
3. Organic Synthesis: Strategy and Control: Paul Wyatt and Stuart Warren
4. The Logic of Chemical Synthesis: E. J. Corey and Xue-Min Chelg
5. Classics in Total Synthesis I, II and III: K. C. Nicolaou and others
6. Organic Synthesis Concepts, Methods, Starting Materials: J. Fuhrhop, G. Penzlin
7. Some Modern Methods of Organic Synthesis: W. Carruthers
8. Organic Synthesis: M. B. Smith
9. Principles of Organic Synthesis: R. Norman and J. M. Coxan.
10. Advanced Organic Chemistry: Jerry March
11. Organic Chemistry: Clayden, Greeves, Warren and Wothers

**Fourth Semester****CHEO-418****Credits: 04****Advanced Organic and Heterocyclic Chemistry****PART A: Advanced Organic Chemistry****UNIT-I Rearrangements**

Pummerer, Payne, Eschenmoser fragmentation, Brook, Anchimeric assistance (Neighbouring group participation) related rearrangement, Wagner-Meerwein, Wolf, Semipinacol, Epoxide rearrangement with lewis acid, Dienone-Phenol rearrangement, Tiffeneau-Demjanov, Favorskii, von Richter, Wittig, Neber, Smiles, Fries, Curtius, Lossen, Schmidt, Steven, Hofmann, Iodolactonisation.

**UNIT-II Name Reactions**

Arndt-Eistert, Hunsdiecker reaction, Baeyer-Villiger, Dakin, Gabriel synthesis, Michael, Darzen, Prins, Henry, Reimer-Tiemann, Hoffmann-Löffler-Freytag, Dieckmann cyclization, Chichibabin, Vilsmeier, Ene, Ullmann reaction, Mannich, Strecker amino acid synthesis. Bamford-Stephen, Baylis-Hillmann, Corey-Fuchs Reaction, Julia Olefination, Mukaiyama aldol, Mitsunobu, Peterson olefination, Corey-Winter olefination, Woodward and Prevost dihydroxylation, Shapiro, Ritter, Stille, Heck, Sonogashira, Suzuki, Duff, Chugaev, Petasis, McMurry reaction and Coupling. Ring closing metathesis (Grubb's metathesis), Aldol-Tishchenko reaction (Evans-Tishchenko reaction), Ugi, Passerini, Biginelli, Hantzsch condensation.

**Reference Books:**

1. Organic Chemistry: Clayden, Greeves, Warren and Wothers
2. Organic Synthesis: W. Carruthers
3. Organic Synthesis: M. B. Smith
4. Advanced Organic Chemistry; Part A and B: F. A. Carey & R. J. Sundberg
5. Modern Organic Synthesis: An Introduction: G. S. Zweifel & M. H. Nantz
6. Organic Synthesis Concepts, Methods, Starting Materials: J. Fuhrhop, G. Penzlin
7. Name Reactions and Reagents in Organic Synthesis: B. P. Mundy, M. G. Ellerd, F. G. Favalaro
8. Organic Chemistry: An Intermediate Text: Robert V. Hoffmann
9. Multicomponent Reactions: J. Zhu, H. Bienayme (Wiley-VCH)
10. Advanced Organic Chemistry: Jerry March
11. Organic Synthesis: R. O. C. Norman and Coxan
12. Name Reactions: Jie Jack Li

**PART A: Heterocyclic Chemistry**

**UNIT-I** Nomenclatures of all types of heterocycles, Classification of heterocycles: as aromatics based upon various membered ring systems.

**UNIT-II** General synthetic routes based on name reactions, reactivities, utilities and wherever possible spectral analyses of the following class of heterocycles. **Four membered:** Azetidines, including  $\beta$ - lactams. **Five membered:** Thiazoles, Oxazoles, Pyrazoles and Imidazoles.

**Six membered:** Pyridines, Pyrimidines. **Fused heterocycles:** Flavones, Chromones, Coumarines, Indoles, Quinolines, Benzodiazepines, and Phenothiazines.

**Reference Books:**

1. Heterocyclic Chemistry: vol. I, II, III: R. R. Gupta, M. Kumar and M. Gupta
2. Heterocyclic Chemistry: Joules and Mills
3. Modern heterocyclic Chemistry: L. A. Paquette (Benjamin)
4. Organic Chemistry: Jonathan Clayden

**Fourth Semester****CHEO-419  
Chemistry of Natural Products****Credits: 04****UNIT-I Terpenoids & Carotenoids**

Classification, Nomenclature, occurrence, isolation, general methods of structure determination, isoprene rule

Structure determination, stereochemistry, and synthesis of the following representative molecules: Citral, Geraniol,  $\alpha$ -Terpineol, Menthol, Farnesol, Zingiberene, Phytol, Abietic acid and  $\beta$ - Carotene.

**UNIT-II Alkaloids**

Definition, nomenclature and physiological action, occurrence, isolation, general methods of structure elucidation, degradation, classification based on nitrogen heterocyclic ring, role of alkaloids in plants.

Structure, stereochemistry and synthesis of the following:

Ephedrine, (+)-coniine, nicotine, atropine, Quinine and Morphine.

**UNIT-III Steroids**

Occurrence, nomenclature, basic skeleton, Diel's hydrocarbon and stereochemistry. Isolation, structure determination and synthesis of Bile acids, Androsterone, Testosterone, Estrone, Progesterone.

**UNIT-IV Anthocyanins and Flavones**

Occurrence, nomenclature and general methods of structure determination.

Synthesis of cyanidin chloride, cyanin, Hirsutidin chloride, Flavones (Kostanecki and Baker-Venkataraman approaches), Flavonols, Quercetin, and Isoflavones.

**UNIT-V Biogenesis**

The building blocks and construction mechanisms of the following

- Terpenoids: Mono-, Sesqui-, Di-, Tri-Terpenoids and steroids.
- Alkaloids: pyridine alkaloids, Benzyl Isoquinoline alkaloids, morphine alkaloids and Indole alkaloids.
- The Shikimic acid pathway.

**Reference Books:**

- The Organic Chemistry of Drug Design and Drug Action: R. B. Silverman, Academic press.
- Natural Products: Chemistry and Biological Significance: J. Mann, R. S. Davidson, J. B. Hobbs, D. V. Banthrope and J. B. Harborne, Longman, Essex.
- Organic Chemistry: Vol. II, I. L. Finar, ELBS.
- Introduction to Flavonoids: B. A. Bohm, Harwood Academic Publishers
- New Trends in Natural Product Chemistry: Atta-ur-Rahman and M. I. Choudhary, Harwood Academic publishers.
- Biogenesis of Natural Products: Baldev Kumar and Harishkumar Chopra (Narosa Publication)

Fourth Semester

CHEO-420  
Medicinal Chemistry

Credits: 04

**UNIT-I Basic consideration of drug activity**

Definition and Introduction of following terms-Drug, Prodrug, Hard and Soft drugs, agonists, antagonists, affinity, efficacy, potency, isosterism, bioisosterism, pharmacophores, lead molecule, lethal dose (LD50) and effective dose (ED50) (i) Factors affecting bioactivity, (ii) Theories of drug activity, (iii) Structure activity relationship (SAR), QSAR (2D and 3D method) and Hantzsch equation (iv) Drug receptor mechanism.

**UNIT-II Pharmacokinetics**

(i) Drug absorption, Distribution and deposition of drugs.  
(ii) Excretion and elimination of drugs, Bioavailability.

**UNIT-III Pharmacodynamics**

(i) Mechanism of drug action: Enzyme stimulation and enzyme inhibition, antimetabolites, membrane active drugs, chelation; (ii) Drug metabolism and inactivation: Factors affecting drug metabolism, pathways of drug metabolism [Metabolic reaction (Phase I) and conjugation reaction (Phase II)].

**UNIT-IV Classification of Drugs**

The detail contents of the each class of the drugs.

**UNIT-V**

Synthesis and Utilities of the following drug molecules (at least one convenient synthetic route with possible mechanism) from following classes:

**I. Anti inflammatory Drugs:** (a) Naproxen (b) Ibuprofen (c) Oxaprozin (d) Diclofenac Sodium (e) Rofecoxib (f) Celecoxib.

**II. Anti-hypertensive Drugs:** (a) Verapamil (b) Captopril (c) d-sotalol (d) Atenolol (e) Diltiazem (f) Semotiadil fumarate.

**III. Drugs acting on CNS:** (a) CNS Stimulant : Dextro-amphetamine

(b) Respiratory Stimulant : Doxapram

(c) CNS anti-depressant : (i) Chlorpromazine (Antipsychotic) (ii) Diazepam (Anxiolytic)

(iii) Phenobarbitol (Antiepileptic)

**IV Anesthetic Drugs:**

(a) General : Ketamine (b) Local : (i) Lidocaine (ii) Procaine

**V. Antibiotics:** (a) Chloramphenicol (b) Ampicillin (c) Amoxycillin (d) Cefepime (e) Cefpirome (f) Antimycobacterial: Ethambutol (g) Antiviral: Acyclovir (h) Antimicrobial: Sulfamethoxazole

**VI. Antidiabetics :** (a) Troglitazone (b) Chlorpropamide (c) Tolbutamide

**VII. Antineoplastic Drugs:** (a) Antagonist: Fluorouracil (b) Alkylating agents: i) Chlorambucil (ii) Cis-Platin

**Reference Books:**

1. FOYE'S Principles of Medicinal Chemistry VIth Edition: Thomas L. Lemke, David A. Williams, Victoria F. Roche and S. William Zito.
2. Introduction of Medicinal Chemistry: A. Gringuage, Wiley-VCH.
3. Synthesis of Essential Drugs: R. S. Vardanyan and V. J. Hruby.
4. Volumes of Burger's Medicinal Chemistry: M. E. Wolf, JohnWiley.
5. Medicinal Chemistry: David J. Triggle.
6. Essentials of Medicinal Chemistry IInd: Andrejus Korolkovas, WileyVCH.



**Organic Chemistry  
LABORATORY COURSES**

**CHEO-421**                      **Duration: 4.5 Hrs/Week**                      **Credits: 4.5**

**Qualitative analysis of ternary mixtures.**

In a mixture at least one liquid, one water soluble compound be given.

**CHEO-422**                      **Duration: 4.5 Hrs/Week**                      **Credits: 4.5**

**Organic multistep preparations.**

Preparations involving at least two stage based on name reactions, condensations, cyclocondensations, reagents and rearrangements (as covered under the theory). Separation, purification of the product by column is desired.

**CHEO-423**                      **Duration: 4.5 Hrs/Week**                      **Credits: 4.5**

**CHEO-423**                      **Duration: 4.5 Hrs/Week**                      **Credits: 4.5**

- (A) Preparations involving one stage based upon the green synthetic protocols (as covered in theory syllabus).
- (B) Structure elucidation of organic compounds by spectral analyses.

**CHEO-424**                      **Duration: 4.5 Hrs/Week**                      **Credits: 4.5**

**Project work:** Dissertation be prepared and should contain literature survey, aim, scope of the project, experimental details and concluding discussions.

**Reference Books:**

1. Textbook of Practical Organic Chemistry: Vogel
2. Organic Synthesis Collective Volumes: Blatt
3. Research Periodicals including internet services.

**D R. BABASAHEB AMBEDKAR  
MARATHWADA UNIVERSITY,  
AURANGABAD.**



**Curriculum under Choice Based Credit &  
Grading System**

**M.A. I & II Year**

**Marathi**

**Semester-I to Iv**

**run at college level from the**

**Academic Year 2015-16 & onwards**

**DR. BABASAHEB AMBEDKAR MARATHWADA  
UNIVERSITY, AURANGABAD.**



**Syllabus of**

**Subject : Marathi**

**M.A.I & II Year**

**Semester- I & II**

**III & IV**

**(Effective from 2013- 2014 I Year & 2014-2015 II Year onwards)**



**डॉ. सदाशिव सरकटे**  
अध्यक्ष-मराठी अभ्यास मंडळ  
डॉ. बाबासाहेब आंबेडकर  
मराठवाडा  
विद्यापीठ, औरंगाबाद.

*Dr. Sarkate*  
*12/12/13*

*Dr. Sarkate*  
*12-12-2013*

*[Signature]*

1

*[Signature]*

## डॉ.बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद

एम.ए.मराठी सत्रनिहाय अभ्यासक्रम  
श्रेयांक, श्रेणी व गुणावर आधारित अभ्यासक्रम

### सत्र पहिले

जून २०१३-२०१४ पासून

अनिवार्य		ऐच्छिक	
I	१०१ आधुनिक मराठी वाङ्मयाचा इतिहास (१९२० ते १९६०)	III	१०३.१ भाषिक कौशल्य, प्रसार माध्यमे व सृजनशील लेखन किंवा
II	१०२ साहित्य समीक्षेची मूलतत्त्वे		१०३.१ वाङ्मय प्रकार संकल्पना व स्वरूप
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		IV	१०४.१ एका लेखकाचा विशेष अभ्यास मध्ययुगीन - संत ज्ञानेश्वर किंवा
			१०४.१ एका लेखकाचा विशेष अभ्यास आधुनिक - यशवंतराव चव्हाण

### सत्र दुसरे

अनिवार्य विषय		ऐच्छिक विषय	
I	२०१ आधुनिक मराठी वाङ्मयाचा इतिहास (१९६१ ते २०००)	III	२०३.१ भाषिक कौशल्ये, प्रसार माध्यमे व सृजनशील लेखन किंवा
II	२०२ समीक्षेच्या विविध अभ्यास पद्धती आणि उपयोजित समीक्षा		२०३.१ वाङ्मय प्रकार संकल्पना व स्वरूप
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		IV	२०४.१ एका लेखकाचा विशेष अभ्यास मध्ययुगीन - संत ज्ञानेश्वर किंवा
			२०४.१ एका लेखकाचा विशेष अभ्यास आधुनिक - यशवंतराव चव्हाण



## डॉ.बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद

एम.ए.मराठी सत्रनिहाय अभ्यासक्रम

श्रेयांक, श्रेणी व गुणावर आधारित अभ्यासक्रम

सत्र तिसरे

अनिवार्य विषय	ऐच्छिक विषय
३०१ वर्णनात्मक भाषाविज्ञान	३०३.१ लोकसाहित्य
३०२ आधुनिक मराठी वाङ्मयातील प्रवाह : दलित व आदिवासी साहित्य.	किंवा ३०३.१ तौलनिक साहित्यसिद्धान्त किंवा ३०३.१ वाङ्मयीन कालखंडाचा विशेष अभ्यास अ) मध्ययुगीन (इ.स.१२५० ते १६८०) किंवा ३०३.१ वाङ्मयीन कालखंडाचा विशेष अभ्यास ब) आधुनिक (इ.स. १८५० ते १९४५)
	३०४.१ मराठवाड्यातील आधुनिक साहित्य किंवा ३०४.१ अनुवादविचार:सैद्धान्तिक आणि उपयोजित किंवा ३०४.१ मराठी व्याकरण विचार किंवा ३०४.१ वैचारिक साहित्य.

## डॉ.बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद

एम.ए.मराठी सत्रनिहाय अभ्यासक्रम

श्रेयांक, श्रेणी, गुणावर आधारित अभ्यासक्रम

सत्र चौथे

### अनिवार्य विषय

४०१ मराठी भाषेचा इतिहास व  
समाजभाषा विज्ञान

४०२ आधुनिक मराठी वाङ्मयातील  
प्रवाह: ग्रामीण व स्त्रीवादी  
साहित्य

### ऐच्छिक विषय

४०३.१ लोकवाङ्मय प्रकार व स्वरूप -  
विशेष

किंवा

४०३.१ तौलनिक साहित्य तत्त्व कलाकृती  
व उपयोजन

किंवा

४०३.१ वाङ्मयीन कालखंडाचा विशेष  
अभ्यास

अ) मध्ययुगीन (इ.स. १२०० ते १६८०)

४०३.१ वाङ्मयीन कालखंडाचा विशेष  
अभ्यास

ब) आधुनिक (इ.स.१८५० ते १९४५)

४०४.१ मराठवाडाचातील आधुनिक  
साहित्य (कलाकृतीवर  
स्वयंअध्ययन)

किंवा

४०४.१ अनुवाद :उपयोजनविचार

किंवा

४०४.१ मराठी व्याकरण विचार

किंवा

४०४.१ वैचारिक साहित्य

(टिप : डॉ.बाबासाहेब आंबेडकर  
मराठवाडा विद्यापीठातील मराठी  
विभागाकरिता, श्रेयांक व श्रेणी असेल तर  
संलग्नित महाविद्यालयासाठी श्रेयांक व  
श्रेणी ऐवजी गुणावर आधारित असेल.)



डॉ.सदाशिव सरकटे

अध्यक्ष-मराठी अभ्यास मंडळ

डॉ.बाबासाहेब आंबेडकर मराठवाडा  
विद्यापीठ, औरंगाबाद.

**DR. BABASAHEB AMBEDKAR MARATHWADA  
UNIVERSITY, AURANGABAD.**



**Syllabus of**

**Subject : Marathi**

**M.A.I Year**

**Semester- I & II**

**(Effective from 2013 – 2014 & onwards)**

डॉ.बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद

एम.ए.(मराठी)

श्रेयांक , श्रेणी व गुणावर आधारित अभ्यासक्रम

अनिवार्य अभ्यासपत्रिका (Core Course)

सत्र पहिले

जून २०१३-२०१४ पासून

१०१ आधुनिक मराठी वाङ्मयाचा इतिहास : (१९२०-१९६०)

- आधुनिक मराठी वाङ्मयाची पार्श्वभूमी  
(सामाजिक, आर्थिक, राजकीय, धार्मिक, सांस्कृतिक, व वाङ्मयीन स्थित्यंतरे ठळक घडामोडी व घटना)

१) आधुनिक मराठी कविता व निबंध वाङ्मय

- १.१ भा.रा.तांबे व त्यांचा संप्रदाय यांचे योगदान
- १.२ रविकिरण मंडळाचे काव्यातील कर्तृत्व
- १.३ १९३५ ते १९६० या काळातील प्रमुख कवींचे योगदान
- १.४ विडंबनात्मक कविता
- १.५ कवयित्रींची काव्यनिर्मिती
- १.६ नवकविता : स्वरूपविशेष व नवकवींचे योगदान
- १.७ निबंध व लघुनिबंध: संकल्पना, स्वरूप -विशेष व वाङ्मयीन कार्य

श्रेयांक-१

तासिका -१६

२) आधुनिक मराठी कथा वाङ्मय

- २.१ यशवंत - किर्लोस्कर कालखंडातील मराठी कथा व कथाकार आणि त्यांचे वाङ्मयीन कार्य
- २.२ प्रादेशिक व विनोदी कथा स्वरूप
- २.३ प्रमुख स्त्री कथाकारांचे योगदान
- २.४ सत्यकथा - अभिरुची कालखंडातील मराठी कथेची वाटचाल.
- २.५ नवकथा : स्वरूप -विशेष व मर्यादा आणि नवकथाकारांचे योगदान

श्रेयांक-१

तासिका -१६



## ३) आधुनिक मराठी कादंबरी वाङ्मय

- ३.१ १९२० ते १९४५ या काळातील मराठी कादंबरीचा विकास व प्रमुख कादंबरीकारांचे वाङ्मयीन कार्य
- ३.२ स्वातंत्र्योत्तर मराठी कादंबरीचा विकास व प्रमुख मराठी कादंबरीकारांचे वाङ्मयीन योगदान
- ३.३ स्त्रियांचे कादंबरी वाङ्मयातील कर्तृत्व
- ३.४ १९२० ते १९६० या कालखंडातील ऐतिहासिक, पौराणिक, राजकीय व चरित्रात्मक कादंबरीचा आढावा.
- ३.५ प्रादेशिक कादंबरीची वाटचाल.

श्रेयांक-१

तासिका -१६

## ४) आधुनिक मराठी नाट्यवाङ्मय आणि आत्मचरित्र व चरित्र

- ४.१ १९२० ते १९६० मधील प्रमुख मराठी नाटककारांचे योगदान
- ४.२ नाट्यमन्वंतराची कामगिरी
- ४.३ चरित्र-आत्मचरित्र वाङ्मयाचे स्वरूप -विशेष आणि वाटचाल व प्रमुख आत्मचरित्र व चरित्र लेखकांचा परिचय
- ४.४ चरित्र व आत्मचरित्र तुलना

श्रेयांक-१

तासिका -१६

## स्वयंअध्ययनासाठी :

- १) वाङ्मयीन नियतकालिके: स्वरूप व योगदान
- २) साहित्य समीक्षा इतिहास व प्रमुख समीक्षकांचे कार्य

## संदर्भ ग्रंथ :

- १) प्रदक्षिणा-खंड-१ व खंड -२, कॉन्टनेन्टल प्रकाशन,पुणे
- २) मराठी लेखिका चिंता आणि चिंतन- भालचंद्र फडके
- ३) मराठी ग्रामीण कवितेचा इतिहास-कैलास सार्वेकर
- ४) मराठी वाङ्मयाचा इतिहास-खंड सहा भाग - १ व २,महाराष्ट्र साहित्य परिषद,पुणे.

- ५) मराठी नाटक - नाटककार काळ आणि कर्तृत्व- वि. भा.देशपांडे
- ६) ग्रामीण कथा वास्तवता आणि रंजकता - रमेश जाधव
- ७) मराठी कथा उद्गम आणि विकास - इंदुमती शेवडे
- ८) अर्वाचीन मराठी साहित्याची सांस्कृतिक पार्श्वभूमी - डॉ. सदा कऱ्हाडे
- ९) राजकीय चळवळ आणि मराठी नाटयसृष्टी - ना. कृ. शनवारे
- १०) आधुनिक मराठी कविता - रा. श्री. जोग
- ११) मराठी कविता : स्वरूप आणि विवेचन - निशिकांत ठकार
- १२) कादंबरी आणि मराठी कादंबरी - उषा हस्तक
- १३) मराठी प्रादेशिक कादंबरी - डॉ. मदन कुलकर्णी
- १४) स्वातंत्र्योत्तर मराठी कविता - संपादक डॉ सुषमा करोगल
- १५) आधुनिक मराठी कविता : एक दृष्टिक्षेप - नागनाथ कोतापल्ले
- १६) मराठी वाङ्मयाचा अभिनव इतिहास - संपादक गं. ना. जोगळेकर
- १७) टीका स्वयंवर - डॉ. भालचंद्र नेमाडे
- १८) वाङ्मयेतिहासाची संकल्पना - संपादक द. दि. पुंडे
- १९) मराठी नाटक आणि रंगभूमी : पहिले शतक, वि. भा. देशपांडे
- २०) मराठी रंगभूमी : उगम आणि विकास - मा. कृ. शिंदे
- २१) मराठी रंगभूमीचा उषःकाल - माया सरदेसाई
- २२) मराठी साहित्याची सांस्कृतिक पार्श्वभूमी - गो. म. कृलकर्णी
- २३) आधुनिक मराठी वाङ्मयाचा इतिहास (भाग पहिला व दुसरा) - अ. ना. देशपांडे
- २४) मराठी साहित्याचा सांस्कृतिक संदर्भ - रा. ग. जाधव
- २५) मराठी कादंबरीचे पहिले शतक - कुसुमावती देशपांडे
- २६) मराठी कादंबरीचे समाजशास्त्रीय समालोचन - रवींद्र ठाकूर
- २७) मराठी वृत्तपत्राचा इतिहास - वा. के. लेले
- २८) धार आणि काठ - नरहर कुरुंदकर
- २९) मराठी ऐतिहासिक कादंबरी : एक अभ्यास - विभा शहा
- ३०) कथा उद्गम आणि विकास - रा. गो. चावरे
- ३१) मराठी कादंबरीचा इतिहास - चंद्रकांत बांदिवडेकर
- ३२) मराठी निबंध : उद्गम आणि विकास - गिरीश मोरे
- ३३) गेल्या अर्धशतकातील मराठी कादंबरी - विलास खोले
- ३४) आधुनिक मराठी वाङ्मयाचा इतिहास :- डॉ. भारत हंडीबाग

सत्र पहिले  
अनिवार्य

१०२ साहित्य समीक्षेची मूलतत्त्वे

१: साहित्य, समीक्षा : स्वरूप व व्याप्ती

- १.१ साहित्य म्हणजे काय ? सर्वांगीण चर्चा
- १.२ समीक्षेची संकल्पना, विविध व्याख्या व उद्दिष्टे
- १.३ साहित्याच्या अभ्यासाचे विशेषीकरण (तत्त्वे, कसोट्या, शोधन, व्याख्या, इत्यादी)
- १.४ कलारूप समीक्षा (आत्मनिष्ठ, कल्पकताप्रधान, काव्यात्म, आस्वादक)
- १.५ शास्त्ररूप समीक्षा (आकलन, आस्वाद, मूल्यमापन, शब्दांकन)

श्रेयांक -१

तासिका १६

२ : साहित्याचा क्षेत्रविचार आणि प्रयोजनविचार

- २.१ साहित्याची क्षेत्रे
- २.१.१ साहित्येतिहास
- २.१.२ साहित्यसमीक्षा
- २.१.३ साहित्यविद्या
- २.२ साहित्य समीक्षेची प्रयोजने
- २.२.१ भारतीय
- २.२.२ पाश्चात्य

श्रेयांक-१

तासिका -१६

३ : मूल्यसंकल्पना

- ३.१ वाङ्मयीन मूल्यांची संकल्पना
- ३.२ मूल्यांची विविधता वाङ्मयीन व जीवनमूल्यांची चर-अचरता
- ३.३ समीक्षेत जीवनमूल्याचे व वाङ्मयीन मूल्यांचे स्थान व त्यांची परस्परपूरकता

श्रेयांक-१

तासिका -१६

४ : शैली संकल्पना

- ४.१ शैलीची संकल्पना, स्वरूप व व्याख्या
- ४.२ शैलीविषयक विविध दृष्टिकोन
- ४.३ कवितेची शैली
- ४.४ कथेची शैली
- ४.५ कादंबरीची शैली

संदर्भ ग्रंथ :-

१. साहित्य निर्मिती आणि समीक्षा - वा. ल. कुलकर्णी
- २) मराठी भाषा आणि शैली : डॉ. रमेश धोंडगे डॉ. अश्विनी धोंडगे
- ३) साहित्य समीक्षेचे मूलतत्त्वे - डॉ. सदाशिव हरिभाऊ सरकटे - एज्युकेशनल पब्लिशर्स  
अॅण्ड डिस्ट्रीब्युटर्स, औरंगपूरा, औरंगाबाद.

श्रेयांक-१

तासिका -१६

सत्र पहिले

ऐच्छिक

१०३.१ भाषिक कौशल्ये, प्रसारमाध्यमे व सृजनशील लेखन

१) भाषिक कौशल्ये

(श्रवण, वाचन, निरीक्षण आणि संभाषण कौशल्ये)

- १.१ श्रवण परंपरेचे स्वरूप, श्रवणाचे महत्त्व व श्रवण प्रक्रियेतील अडथळे.
- १.२ वाचनाचे महत्त्व, वाचनाची परंपरा, वाचन संस्कृतीची सद्यःस्थिती आणि भावी दिशा
- १.३ निरीक्षण व ज्ञानेंद्रिये, निरीक्षण व पाहणे, निरीक्षण कौशल्याचे महत्त्व.
- १.४ परिणामकारक संभाषणाचे महत्त्व, परिणामकारक संभाषणाचे तंत्र/घटक, संभाषण कौशल्यात भाषेचे स्थान, संभाषणातील अडथळे

श्रेयांक-२

तासिका -३२

२) भाषेचा सृजनशील वापर

- २.१ साहित्याची भाषा आणि व्यवहाराची भाषा
- २.२ शब्दनिष्ठ सृजनशीलता
- २.३ विचार प्रतिपादनातील भाषेचा सृजनशील वापर
- २.४ वाङ्मयीन अभिव्यक्तीसाठी भाषेचा सृजनशील वापर

श्रेयांक-१

तासिका -१६

३) मुद्रित प्रसार माध्यमांसाठी लेखन कौशल्ये

- ३.१ वृत्तपत्राचे स्वरूप आणि महत्त्व
- ३.२ बातमी : व्याख्या आणि बातमीलेखन
- ३.३ वृत्तलेखन, स्तंभलेखन, मुलाखत, परीक्षणात्मक लेखन
- ३.४ दिवाळी अंक, नियतकालिक व स्मरणिका (संकलन, संपादन आणि वितरण)

श्रेयांक-१

तासिका -१६



सत्र पहिले

ऐच्छिक

१०३.१ वाङ्मयप्रकार : संकल्पना व स्वरूप

(एका वाङ्मय प्रकाराचा अभ्यास या अभ्यासपत्रिकेत अभिप्रेत. चक्राकार पद्धतीने कादंबरी, कथा, नाटक, कविता हे वाङ्मयप्रकार अभ्यासात असतील.)

१. वाङ्मयप्रकार संकल्पना

१.१ संकल्पनेचा सैद्धांतिक विचार

१.२ पौर्वात्य साहित्यशास्त्रज्ञाची साहित्य वर्गीकरण

१.३ भरत, भामह, दण्डी, आनंदवर्धन, मिलिंद मालशे, बा.सी.मर्ढेकर, गंगाधर गाडगीळ

१.४ पाश्चिमात्य विवेचकांचे साहित्य वर्गीकरण

१.५ प्लेटो, अॅरिस्टॉटल, हॉब्ज, एस.डल्लास, ऑस्टिन वॉरन, नाथोप, फ्राय, विटगेनस्टाईन

१.६ प्रमुख साहित्य प्रकारांचा परिचय

अ) कविता, कथा, नाटक, कादंबरी, चरित्र, आत्मचरित्र, आत्मकथन, प्रवासवर्णन, पत्रे, व्यक्तिचित्रण.

२. अभिजातकालीन सिद्धांत, आधुनिक सिद्धान्त :

- नाममात्रवादी, एकतत्त्ववादी

- कुलसाम्य

श्रेयांक -२

तासिका -३२

२. कादंबरी : संकल्पना व स्वरूप

२.१ कादंबरी : वाङ्मयप्रकाराची संकल्पना

२.२ वाङ्मयप्रकाराचे स्वरूप

- 'नॉव्हेल' ला पर्यायी संकल्पना कादंबरी

- कथनात्म लिखित गद्य

- इतर वाङ्मयप्रकारापेक्षा वेगळेपण

१.१ कादंबरी : वास्तवाचे स्वरूप

• कल्पित वास्तव व सामाजिक वास्तव

• जीवनाचा विशाल पट

• वास्तवाची विविध रूपे

२.४ कादंबरीचे घटक

१) कथानक २) पात्रे ३) वातावरण ४) भाषा व शैली ५) निवेदन

२.५ कादंबऱ्यांचे वर्गीकरण

१. वर्गीकरणाचे स्वरूप

२. एडलीन म्यूर व रॉजर हेन्कल यांचे वर्गीकरण

३. मराठी कादंबऱ्यांचे वर्गीकरण

चरित्रात्मक, संज्ञाप्रवाहात्मक, राजकीय, सामाजिक, मानसशास्त्रीय, ऐतिहासिक  
, पौराणिक, प्रादेशिक, नाट्यात्म, नवकादंबरी

श्रेयांक-२

तासिका -३२

## सत्र पहिले

## ऐच्छिक

## १०४.१ एका लेखकाचा विशेष अभ्यास (मध्ययुगीन)- संत ज्ञानेश्वर

या सत्रात मध्ययुगीन कालखंडातील एका लेखकाचा सर्वांगाने अभ्यास करणे अभिप्रेत आहे. मध्ययुगीन कालखंडातील संत परंपरेसह संत ज्ञानेश्वरांच्या वाङ्मयकृतींचा अभ्यास या अभ्यासपत्रिकेत केला जावा. संत कवितेची परंपरा आणि त्यांनी मध्ययुगीन साहित्याच्या विकासात घातलेली भर याची कल्पना यावी. संत कवितेची स्थूल ओळख या अभ्यासपत्रिकेतून व्हावी. कवीचे व्यक्तिमत्त्व, त्यांचा दृष्टिकोन आणि वाङ्मय यांचा या अभ्यासपत्रिकेद्वारे परिचय घडणे आवश्यक आहे.

## १. एका लेखकाच्या अभ्यासाच्या पद्धती

- १.१ एका लेखकाच्या आकलन व मूल्यमापनाची दिशा.
- १.२ समकालीन सामाजिक, धार्मिक, राजकीय स्थिती.
- १.३ लेखकाचे व्यक्तिमत्त्व
- १.४ लेखकाने हाताळलेले वाङ्मयप्रकार व त्यातील आशय.
- १.५ लेखकाचा दृष्टिकोन व वाङ्मयेतिहासातील त्याचे स्थान.

श्रेयांक -२

तासिका - ३२

## २. मध्ययुगीन संत काव्याची परंपरा व स्वरूप वैशिष्ट्ये.

- २.१ संतकाव्याची संकल्पना
- २.२ संतकाव्याचे स्वरूप
- २.३ संतकाव्याची वैशिष्ट्ये
- २.४ यादवकालीन महत्त्वाचे संत कवी.
- २.५ संतांच्या रचनांचा स्थूल परिचय.

श्रेयांक -२

तासिका - ३२

सत्र पहिले

ऐच्छिक

किंवा

१०४.१ एका लेखकाचा विशेष अभ्यास (आधुनिक): यशवंतराव चव्हाण

आधुनिक कालखंडातील एका लेखकाच्या निवडक साहित्याचा विशेष अभ्यास करताना अभ्यासक्रमाला असलेल्या लेखकाचा सर्वांगाने विचार करणे येथे अभिप्रेत आहे. लेखक समकालीन वाङ्मयीन पर्यावरण, साहित्य चळवळी आणि साहित्याचा स्थूल परिचय करून दिला जावा. लेखकाचे लेखन कर्तृत्व जाणून घेण्यासाठी व त्यांनी हाताळलेले विविध साहित्य प्रकार लक्षात आणून देण्यासाठी यशवंतराव चव्हाण यांचे वाङ्मयीन कर्तृत्व उलगडले जावे अशी अपेक्षा आहे.

१) एका लेखकाच्या अभ्यासाच्या विविध अभ्यासपध्दती:

- १.१ लेखकाच्या आकलन आणि मूल्यमापनाची दिशा
- १.२ लेखकाचे व्यक्तिमत्त्व, समकालीन स्थिती व वाङ्मयीन पर्यावरण.
- १.३ हाताळलेले वाङ्मय व त्यातील आशयाभिव्यक्तीचे निराळेपण
- १.४ लेखकाचा दृष्टिकोन
- १.५ वाङ्मयेतिहासातील स्थाननिश्चिती व मूल्यमापन

श्रेयांक-१

तासिका-१६

२) आधुनिक कालखंड व वाङ्मयीन पर्यावरण

- २.१ तत्कालीन वाङ्मयीन पर्यावरण व परिस्थिती
- २.२ लेखकाच्या समकालीन लेखकांचे वाङ्मयातील कर्तृत्व
- २.३ लेखकाचा परिचय
- २.४ लेखकाने हाताळलेल्या समग्र वाङ्मयाचे स्वरूप-वैशिष्ट्ये आणि निराळेपण.

श्रेयांक-१

तासिका-१६

३) 'कृष्णाकाठ' (आत्मचरित्र)

- ३.१ 'कृष्णाकाठ' आत्मचरित्राचे आशयसूत्र
- ३.२ 'कृष्णाकाठ' आत्मचरित्रातील व्यक्तिचित्रे



- ३.३ 'कृष्णाकाठ' आत्मचरित्राची भाषाशैली व वाङ्मयीन गुण-विशेष
- ३.४ 'कृष्णाकाठ' आत्मचरित्राचे निराळेपण.
- ३.५ 'कृष्णाकाठ' आत्मचरित्राचे सामर्थ्य व मर्यादा

श्रेयांक-१

तासिका-१६

४) 'ऋणानुबंध' (ललित/व्यक्तिचित्र)

- ४.१ 'ऋणानुबंध' या ललितलेखाचे (व्यक्तिचित्र) आशय
- ४.२ 'ऋणानुबंध' मधील व्यक्तिरेखा
- ४.३ 'ऋणानुबंध' चे भाषिक विशेष.
- ४.४ 'ऋणानुबंध' चे वेगळेपण
- ४.५ 'ऋणानुबंध' चे वाङ्मयीन गुण-विशेष
- ४.६ 'ऋणानुबंध' च्या उणिवा व सामर्थ्य

श्रेयांक-१

तासिका-१६

स्वयंअध्ययनासाठी पुस्तक

- १) 'भूमिका'-यशवंतराव चव्हाण.

संदर्भ ग्रंथ :

- १) लेखकाभ्यासाच्या दिशेने-डॉ.नागनाथ कोतापल्ले,मराठी साहित्य संशोधन:नव्या दिशा: संपादक अविनाश आवलगावकर
- २) लेखकाचा अभ्यास-प्रा.बाळकृष्ण कवठेकर,साहित्याचा अभ्यास संपा.च.वि.जोशी (गुरुवर्य डॉ.र.बा.मंचरकर सद्भाव ग्रंथ)
- ३) भाषा व साहित्य संशोधन-वसंत जोशी
- ४) महाराष्ट्राचे मंगलकलश-नानासाहेब सूर्यवंशी
- ५) यशवंतराव चव्हाण यांचे समीक्षा लेखन व भाषणे-डॉ.शिवाजीराव देशमुख
- ६) लोकराज्य,यशवंतराव चव्हाण विशेषांक : मार्च २०१
- ७) थोरले साहेब :- डॉ. विजय पाथीकर - कैलास पब्लिकेशन

डॉ.बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद

एम.ए.मराठी

श्रेयांक , श्रेणी व गुणावर आधारित अभ्यासक्रम

अनिवार्य अभ्यासपत्रिका (Core Course)

सत्र दुसरे

२०१ आधुनिक मराठी वाङ्मयाचा इतिहास : (१९६१ ते २०००)

१. साठोत्तरी मराठी वाङ्मयाची पार्श्वभूमी (सामाजिक,आर्थिक,सांस्कृतिक,राजकीय,धार्मिक व वाङ्मयीन स्थित्यंतरे)

१. आधुनिक मराठी कविता

१.१ साठोत्तरी मराठी कवितेचा विकास

१.२ दलित कविता स्वरूप -विशेष व प्रमुख दलितकवींचे वाङ्मयीन कार्य

१.३ साठोत्तरी ग्रामीण कविता स्वरूप -विशेष व ग्रामीण कवींचे योगदान

१.४ स्त्रीवादी व महानगरीय कवितेची वाटचाल

१.५ आदिवासी व विमुक्त-भटक्यांचे मराठी काव्यातील योगदान

श्रेयांक -१

तासिका- १६

२. आधुनिक मराठी कथा व कादंबरी

२.१ साठोत्तरी कालखंडातील प्रमुख-कथाकारांचे योगदान

२.२ दलित कथा: प्रेरणा व स्वरूप विशेष

२.३ ग्रामीण व विज्ञानकथा

२.४ ग्रामीण कथेचा विकास व ग्रामीण कथा लेखकांचे वाङ्मयीन कार्य

२.५ स्त्रीवाद व स्त्रियांचे कथा साहित्य

२.६ साठोत्तरी मराठी कादंबरीची वाटचाल व कादंबरीकारांचे कर्तृत्व

२.७ स्त्रियांचे कादंबरी क्षेत्रातील योगदान

श्रेयांक -१

तासिका- १६

३. आधुनिक मराठी नाटक व आत्मचरित्र आणि आत्मकथन वाङ्मय

- ३.१ १९६१ ते २००० मधील प्रमुख मराठी नाटककारांचे योगदान
- ३.२ दलित रंगभूमी व दलित नाटक
- ३.३ दलित आत्मकथन : स्वरूप - विशेष
- ३.४ साठोत्तरी आत्मचरित्र वाङ्मयाची वाटचाल
- ३.५ आत्मचरित्र व आत्मकथन संकल्पना: स्वरूप वैशिष्ट्ये

श्रेयांक -१

तासिका- १६

४. आधुनिक मराठी चरित्र व ललित गद्य

- ४.१ साठोत्तरी चरित्र वाङ्मयाचे स्वरूप विशेष
- ४.२ साठोत्तरी ललित गद्याची वाटचाल
- ४.३ प्रमुख चरित्रकारांचे योगदान
- ४.४ ललित लेखकांचे वाङ्मयीन कार्य

श्रेयांक -१

तासिका- १६

स्वयंअध्ययनासाठी:

- १) साठोत्तरी मराठी समीक्षा व समीक्षक
- २) साठोत्तरी निबंध वाङ्मय व निबंधकार
- ३) साठोत्तरी मराठी नियतकालिकांचे योगदान

संदर्भ ग्रंथ :

- १) चरित्र - आत्मचरित्र - अ.म. जोशी, स्नेहवर्धन प्रकाशन, पुणे, आवृत्ती चौथी.
- २) मराठी ग्रामीण कादंबरी-रवींद्र ठाकूर, मेहता प्रकाशन, पुणे आवृत्ती पहिली.
- ३) मराठी वाङ्मयाचा इतिहास- खंड सातवा, महाराष्ट्र साहित्य परिषद, पुणे आवृत्ती पहिली.
- ४) मराठी नाटक - नाटककार काळ आणि कर्तृत्व - वि.भा.देशपांडे, दिलीपराज प्रकाशन, पुणे, आवृत्ती पहिली.

- ५) मराठी कथा उद्गम आणि विकास - इंदुमती शेवडे - सोमैया प्रकाशन, मुंबई.
- ६) दलित साहित्य वेदना व विद्रोह-भालचंद्र फडके, श्रीविद्या प्रकाशन.
- ७) विमुक्तरंग-रमेश जाधव-गोरवाणी प्रकाशन, औरंगाबाद, आवृत्ती पहिली.
- ८) प्रदक्षिणा खंड-२, कॉन्टिनेन्टल पुणे, आवृत्ती पहिली.
- ९) दलितांची आत्मकथने : संकल्पना व स्वरूप -वासुदेव मुलाटे, स्वरूप प्रकाशन .
- १०) दलित साहित्याचा इतिहास-म.सु.पगारे, प्रशांत खरात, सुगावा प्रकाशन, पुणे.
- ११) दलित कथा: उगम आणि विकास-प्रकाश खरात, सुगावा प्रकाशन, पुणे, आवृत्ती पहिली.
- १२) साठोत्तरी मराठी समीक्षा-केशव सद्दे, गोमंतक मराठी अकादमी गोवा, आवृत्ती पहिली.
- १३) मराठी लेखिका चिंता आणि चिंतन - भालचंद्र फडके, श्रीविद्या प्रकाशन, पुणे.
- १४) मराठी ग्रामीण कवितेचा इतिहास - कैलास सार्वेकर, मेहता प्रकाशन, पुणे
- १५) मधु मंगेश कर्णिक - व्यक्तिमत्त्व आणि वाङ्मयीन कर्तृत्व-डॉ. महेश खरात
- १६) दलित स्वकथने : साहित्यरूप-आरती कुसरे, विजय प्रकाशन, नागपूर, आवृत्ती पहिली.
- १७) अर्वाचीन मराठी साहित्याची सांस्कृतिक पार्श्वभूमी-डॉ. सदा कन्हाडे
- १८) मराठी ग्रामीण कथा : स्वरूप व विकास-वासुदेव मुलाटे
- १९) दलित कादंबरी स्वरूप व समीक्षा-डॉ. नंदा मेश्राम.
- २०) आबेडकरी चळवळ-य.दि.फडके
- २१) दलित कविता-डॉ. म.सु.पाटील
- २२) दलित कथा-डॉ. म.सु.पाटील
- २३) गोर कविता - रमेश जाधव
- २४) १९८० नंतरची स्त्रीवादी कविता-डॉ. सदाशिव सरकटे, चिन्मय प्रकाशन, औरंगाबाद



सत्र दुसरे

अनिवार्य

२०२ समीक्षेच्या विविध अभ्यास पद्धती आणि उपयोजित समीक्षा

१. वाङ्मयाच्या अभ्यासाचे दृष्टिकोन

- १.१ भारतीय साहित्यशास्त्राच्या दृष्टिकोनातून वाङ्मयाचा अभ्यास
- १.२ सौंदर्यवादी दृष्टीने वाङ्मयाचा अभ्यास
- १.३ प्रभावी विचारप्रणालीच्या आधारे साहित्याचे मूल्यमापन
- १.४ साहित्यिकांचा वाङ्मयविषयक दृष्टिकोन

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तासिका- १६

२. विविध समीक्षा पद्धती

- २.१ समाजशास्त्रीय
- २.२ मानसशास्त्रीय
- २.३ ऐतिहासिक
- २.४ आदिबंधात्मक
- २.५ संरचनावादी
- २.६ विरचनावादी
- २.७ मार्क्सवादी
- २.८ आस्वादक
- २.९ रूपवादी
- २.१० आधुनिक साहित्य प्रवाहाची समीक्षा

ग्रामीण, दलित, स्त्रीवादी ,आदिवासी,पर्यावरणावादी.

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तासिका- १६

३. समीक्षेची वाटचाल

- ३.१ आजवरच्या समीक्षेच्या वाटचालीचा धावता आढावा.
- ३.२ भारतीय साहित्यशास्त्र आणि मराठी समीक्षा यांचा अनुबंध
- ३.३ मराठी समीक्षा: स्वतंत्रता व स्वायत्तता

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तासिका- १६

## ४. उपयोजित समीक्षा

- ४.१ उपयोजित समीक्षेची संकल्पना
- ४.१.१ ग्रंथपरीक्षण
- ४.१.२ पुस्तक परिचय
- ४.१.३ वाङ्मयीन नियतकालिकासाठीचे समीक्षालेखन
- ४.२ समीक्षा पद्धती व चार पुस्तकांवरील समीक्षा

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तासिका- १६

## संदर्भ ग्रंथ :-

- १) साहित्य निर्मिती आणि समीक्षा - वा.ल.कुलकर्णी
- २) टीकाविवेक- श्री.के. क्षीरसागर
- ३) भारतीय साहित्यशास्त्र-ग.त्र्यं.देशपांडे
- ४) सौंदर्यशास्त्र व समीक्षा-डॉ.रा.भा.पाटणकर
- ५) मर्देकरांची सौंदर्यमीमांसा- प्रभाकर पाध्ये
- ६) वाङ्मयीन वाद-म.सा.परिषद प्रकाशन
- ७) साहित्यवेध - के.रं.शिरवाडकर
- ८) नवसमीक्षा : काही विचारप्रवाह-संपा.गो.म.कुलकर्णी
- ९) मराठी समीक्षेची वाटचाल : गो.म.कुलकर्णी
- १०) मागोवा-नरहर कुरुंदकर
- ११) कविता आणि प्रतिमा- डॉ.सुधीर रसाळ
- १२) आदिबंधात्मक समीक्षा - डॉ. म.सु.पाटील
- १३) मानसशास्त्रीय समीक्षा - डॉ.अ.वा.कुलकर्णी
- १४) समीक्षेची नवी रूपे - गंगाधार पाटील
- १५) साहित्याचे तत्त्वज्ञान - वि.ना.ढवळे
- १६) साहित्य समीक्षा : स्वरूप आणि पद्धती - डॉ.निशिगंधा व्यवहारे.
- १७) साहित्य : अध्यापन आणि प्रकार -संपा. श्री.पु.भागवत,डॉ.सुधीर रसाळ
- १८) साहित्य समीक्षेची मूलतत्वे - डॉ. सदाशिव हरिभाऊ सरकटे, एज्युकेशनल पब्लिशर्स अॅण्ड डिस्ट्रीब्युटर्स, गोकुळवाडी, औरंगपुरा, औरंगाबाद.

- १९) साहित्य सिद्धांत-स.ग.मालशे (Theory of Literature) या ग्रंथाचा अनुवाद
- २०) खडक आणि पाणी - गंगाधर गाडगीळ
- २१) रूपवेध - नरहर कुरुंदकर
- २२) साहित्य समीक्षा : स्वरूप आणि विकास - ना.रा.गोडबोल,गं.ना.जोगळेकर
- २३) वाङ्मयीन वाद : संकल्पना आणि स्वरूप -सीताराम रायकर
- २४) साहित्य,सृष्टी आणि सौंदर्य - शरश्चंद्र मुक्तिबोध
- २५) वाङ्मयीन संज्ञा संकल्पना कोश- संपा.वसंत आबाजी डहाके व इतर
- २६) वाङ्मयीन संज्ञा कोश -डॉ.विजया राजाध्यक्ष,सा.सं.म.प्रकाशन
- २७) रसास्वाद- माधव आचवल
- २८) साहित्यशास्त्र-डॉ.सदाशिव सरकटे,कैलास पब्लिकेशन,औरंगाबाद.
- २९) A History of Modern Criticism- Rene Welek and Austin Warren
- ३०) Five Approaches to Literary Criticism - Willber Scott
- ३१) Critical Approaches to Literature -Davod Daiches
- ३२) Anatomy of Criticism - Northrop Frye
- ३३) Theories of Literature in 20<sup>th</sup> Century-Done Fokher
- ३४) Practical Criticism - I.A. Richards

सत्र दुसरे

ऐच्छिक

२०३.१ भाषिक कौशल्ये, प्रसार माध्यमे व सृजनशील लेखन

१. दृक्श्राव्य माध्यमांसाठी लेखन

- १.१ नभोवाणी : स्वरूप आणि कार्य
- १.२ नभोवाणीवरील भाषण, मुलाखती व बातमीपत्रे
- १.३ रूपक, श्रुतिका आणि नभोनाट्य
- १.४ दूरचित्रवाणी : स्वरूप, कार्य व विस्तार
- १.५ दूरचित्रवाणीवरील कार्यक्रम
- १.६ इंटरनेट : संकल्पना आणि उपयोजन

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तासिका- ३२

२. उपयोजित लेखन

- २.१ मुद्रितशोधन
- २.२ जाहिरात लेखन, जिगल लेखन
- २.३ चित्रपट -मालिकासाठी पटकथा/संवाद लेखन

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तासिका- १६

३. सृजनशील लेखन

- ३.१ सृजनशील लेखन : स्वरूप व समस्या
- ३.२ कथा, कविता, व्यक्तिचित्र, आत्मपर लेखन, दैनंदिनी लेखन, पत्रलेखन, पुस्तक परीक्षण

श्रेयांक -१

तासिका- १६

संदर्भ ग्रंथ :-

- १) भाषा: स्वरूप, सामर्थ्य आणि सौंदर्य - डॉ. वा. के. लेले, राजहंस, पुणे
- २) व्यावहारिक मराठी - डॉ. ल. रा. नसिराबादकर, फडके प्रकाशन, कोल्हापूर
- ३) संवादशास्त्र - श्रीपाद जोशी, विजय नागपूर
- ४) सृजनात्मक लेखन - डॉ. आनंद पाटील, पद्मगंधा, पुणे



- ५) साहित्याची भाषा -भालचंद्र नेमाडे, साकेत,औरंगाबाद
- ६) सृजनशोध आणि लिहिता लेखक - विलास सारंग,मौज,मुंबई
- ७) सृजनशीलता - म.बा.कुंडले,नूतन,पुणे
- ८) ललित साहित्यातील आकृतिबंधाची जडणघडण -मधु कुलकर्णी,शुभदा सारस्वत,पुणे
- ९) जाहिरातीचं जग -यशोदा भागवत,मौज,मुंबई
- १०) साहित्याची निर्मितीप्रक्रिया - डॉ.आनंद यादव,मेहता,पुणे
- ११) भाषाविवेक - म.वि.राजाध्यक्ष,श्रीविद्या,पुणे
- १२) व्यावहारिक मराठी (विशेषांक) -नवभारत, १९८१
- १३) ललितलेखन व शैली - डॉ.वा.के.लेले,साहित्यप्रसार केंद्र,नागपूर
- १४) भाषानैपुण्ये -डॉ.अशोक केळकर,मराठी विश्वकोश खंड १२ वा पृष्ठ ४९१
- १५) संवाद - अरुण शेवते, मळा एज्युकेशन सोसायटी,सोनई
- १६) रुजवात - अशोक केळकर,लोकवाङ्मय गृह,मुंबई
- १७) व्यावहारिक मराठी - संपादक डॉ. स्नेहल तावरे, स्नेहवर्धन,पुणे
- १८) न्यायालयीन व्यवहार आणि मराठी भाषा - यशवंतराव चव्हाण प्रतिष्ठान व ग्रंथाली,मुंबई.
- १९) माध्यमांची भाषा आणि लेखन कौशल्ये-केशव तुपे
- २०) मराठी भाषा विकास संवर्धन व भाषिक कौशल्य - डॉ.नरेंद्र मारवाडे, डॉ.सदाशिव सरकटे.

सत्र दुसरे

२०३.१ वाङ्मयप्रकार : संकल्पना व स्वरूप

३. निवडक कादंबऱ्यांचा अभ्यास

- १) सावित्री- पु.शि.रेगे
- २) बळी - विभावरी शिरूरकर
- ३) माकडीचा माळ- अण्णाभाऊ साठे
- ४) भर चौकातील अरण्यरुदन - रंगनाथ पठारे
- ५) तहाण-सदानंद देशमुख
- ६) कळ - श्याम मनोहर

(वरील कादंबऱ्यांचा वाङ्मयप्रकार म्हणून अभ्यास अपेक्षित.या कादंबऱ्यांवरील प्रश्नही त्या अनुषंगाने विचारले जातील)

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सत्र दुसरे

ऐच्छिक

श्रेयांक , श्रेणी व गुणावर आधारित अभ्यासक्रम

२०४ एका लेखकाचा विशेष अभ्यास (मध्ययुगीन) संत ज्ञानेश्वर.

३. संतज्ञानेश्वर व त्यांची काव्यरचना.

३.१ संत ज्ञानेश्वरांचे जीवन कर्तृत्व.

३.२ संत ज्ञानेश्वरांच्या वाङ्मयसंपदेचे स्वरूप

३.३ 'ज्ञानेश्वरी' : नववा अध्याय

३.४ हरिपाठाचे अभंग

३.५ ज्ञानेश्वरांची स्फुट रचना : कूट अभंग, फुगडी, आंधळा, गौळणी, विरहिणी, अंबुला  
(एकूण १५ रचना)

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४. संत ज्ञानेश्वरांची रचना व मूल्यमापन

४.१ 'अमृतानुभव' दुसरे प्रकरण

४.२ संत ज्ञानेश्वरांच्या काव्यरचनेचे मूल्यमापन

४.३ संतपरंपरेतील ज्ञानेश्वरांचे स्थान

४.४ तत्त्वज्ञ, कवी या दृष्टीने काव्यकर्तृत्व

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तासिका- ३२

स्वयंअध्ययनासाठी :

१) चांगदेव पासष्टी २) ज्ञानेश्वर संतमहिमापर अभंग.

ज्ञानेश्वरांची स्फुट रचना

अ) कूट अभंग :

१) पती जन्मला माझे उदरी

२) वडाच्या पानी एक उभविले देऊळ

३) काळे ना सावळे श्वेत ना पिवळे

ब) गौळणी :

१) दुडीवर दुडी गौळण साते निघाली.

- २) रांगतु रांगणी चोरीतु लोणी.  
 ३) सावळिये निळी भुलली एकी नारी
- क) विरहिणी :**
- १) ज्याचिये आवडी संसार त्यजिला  
 २) घनु वाजे घुणुघुणा ।  
 ३) देऊनिया भेटी मजसी न करी गोठी ।
- ड) अंबुला :**
- १) न गमे हा संसारु म्हणोनि केला भ्रतारु ।  
 २) अंबुला विकून घेतली वस्तु ।  
 ३) गरुवार झाली अंबुला व्याली ।
- फ) आंधळा :**
- १) पूर्वजन्मी पाप केले तेहे बहु विस्तारले.
- ग) फुगडी :**
- १) फुगडी फू गे बाई निजब्रह्म तू ।

**संदर्भ ग्रंथ:**

- १) महाराष्ट्र संस्कृती - पु.ग.सहस्त्रबुद्धे  
 २) पाच भक्ती संप्रदाय - र.रा.गोसावी  
 ३) महाराष्ट्र सारस्वत - वि.ल.भावे (भाग १ व २)  
 ४) प्राचीन मराठी वाङ्मयाचा इतिहास -अ .ना.देशपांडे (भाग १ व २)  
 ५) प्राचीन मराठी वाङ्मयाचे स्वरूप - ह.श्री.शेणोलीकर.  
 ६) प्राचीन मराठी काव्याचे स्वरूप - ह.श्री.शेणोलीकर.  
 ७) मध्ययुगीन संत साहित्य- काही आयाम -डॉ.यू.म.पठाण.  
 ८) सकलसंत गाथा (शासकीय प्रत) - महाराष्ट्र शासन मुद्रणालय,मुंबई  
 ९) ज्ञानेश्वरी (शासकीय प्रत) - महाराष्ट्र शासन मुद्रणालय,मुंबई  
 १०) श्री ज्ञानदेव गाथा - संपा.श्री नाना महाराज साखरे,शासकीय मुद्रणालय  
 ११) सार्थ श्री ज्ञानेश्वरी - संपा.श्री नाना महाराज साखरे,शासकीय मुद्रणालय  
 १२) गूढार्थदीपिका - गीताप्रेस गोरखपूर  
 १३) श्री सार्थ ज्ञानेश्वरी (भाग १ व २ ) : संपा.शंकर महाराज कंधारकर.  
 १४) संत साहित्य: आणि अध्यापन : महाराष्ट्र राज्य उच्च माध्यमिक शिक्षण मंडळ,पुणे  
 १५) मध्ययुगीन मराठी वाङ्मयाचा इतिहास-डॉ.विद्यासागर पाटंगणकर,चिन्मय प्रकाशन,औरंगाबाद.



सत्र दुसरे  
ऐच्छिक किंवा

२०४.१ एका लेखकाचा विशेष अभ्यास (आधुनिक) : यशवंतराव चव्हाण  
यशवंतराव चव्हाण यांच्या पुढील कलाकृतींचा अभ्यास

१) 'सह्याद्रीचे वारे' (वैचारिक)

- १.१ 'सह्याद्रीचे वारे' या लेखसंग्रहाचे स्वरूप-विशेष
- १.२ 'सह्याद्रीचे वारे' : भाषाशैली
- १.३ 'सह्याद्रीचे वारे' : निराळेपण व वैशिष्ट्ये
- १.४ 'सह्याद्रीचे वारे' : बलस्थाने आणि उणिवा
- १.५ 'सह्याद्रीचे वारे' : वाङ्मयीन गुण-विशेष

श्रेयांक-२  
तासिका-३२

२) 'युगांतर'

- २.१ 'युगांतर' : आशयसौंदर्य
- २.२ 'युगांतर' : भाषिकविशेष
- २.३ 'युगांतर' : वेगळेपण व विशेष
- २.४ 'युगांतर' : वाङ्मयीन मूल्यमापन
- २.५ 'युगांतर' : उणिवा आणि सामर्थ्य

श्रेयांक-२  
तासिका-३२

स्वयंअध्ययनासाठी ग्रंथ :

- १) शिवनेरीचे नौबती-यशवंतराव चव्हाण
- २) विदेशदर्शन-यशवंतराव चव्हाण

संदर्भ ग्रंथ:

- १) महाराष्ट्राचे मंगलकलश : नानासाहेब सूर्यवंशी.
- २) लोकराज्य, यशवंतराव चव्हाण विशेषांक, मार्च २०१२
- ३) यशवंतराव चव्हाण: नवमहाराष्ट्राचे शिल्पकार (संपा.) - उत्तम कांबळे , सकाळ प्रकाशन, पुणे
- ४) थोरले साहेब :- डॉ. विजय पाथीकर, कैलास पब्लिकेशन.

डॉ. सदाशिव सरकटे

अध्यक्ष-मराठी अभ्यास मंडळ

डॉ. बाबासाहेब आंबेडकर मराठवाडा

विद्यापीठ, औरंगाबाद.

**DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,  
AURANGABAD.**



**Circular / Acad Sec./ UG & PG/Rev. Curri./Col. & Uni.Cam./ 2022.**

It is hereby inform to all concerned that, on the recommendation of Dean of Faculty of Humanities, **the Hon'ble Vice-Chancellor has accepted the following subject wise Curriculum & Regulations of Choice Based Credit & Grading System** under the faculty of Humanities in his emergency powers under Section 12 [7] of the Maharashtra Public University Act, 2016 on behalf of the Academic Council.

Sr. No.	UG/PG Course Curriculum Name	Semesters
01.	B.A., B.Com. & M. A. First Year [Marathi]	Ist & IInd
02.	B. A./B.Com/ B.Sc./BFA/BSW Second Language & Optional First Year [Hindi]	Ist & IInd
03.	B. A. First Year [Urdu]	Ist & IInd
04.	B.A./ B.Com/ B.Sc. Second Language & Optional First Year [Sanskrit]	Ist & IInd
05.	B. A. First & Second Year Progressively and M.A. Second Year [Psychology]	Ist to IVth and IIIrd & IVth
06.	B. A. First Year [Geography]	Ist & IInd
07.	B. A. First Year [Political Science]	Ist & IInd
08.	B. A. First & M.A. Second Year [Sociology]	Ist & IInd and IIIrd & IVth
09.	B. A. First Year [Economics]	Ist & IInd
10.	B. A. First Year [Public Administration]	Ist & IInd
11.	B. A. First & M.A. Second Year [Thoughts of Mahatma Phule and Dr. Babasaheb Ambedkar]	Ist & IInd and IIIrd & IVth
12.	B.A. First Year Optional [Military Science]	Ist & IInd
13.	B.A./ B.Sc. Second Language & Optional First Year [Arabic]	Ist & IInd
14.	B.A. First Year Optional [Islamic Studies]	Ist & IInd

**This is effective from the Academic Year 2022-23 and Onwards progressively as appended herewith.**

All concerned are requested to note the contents of this circular and bring notice to the students, teachers and staff for their information and necessary action.

University campus,  
Aurangabad-431 004.  
Ref. No. SU/Col. & UC/UG & PG/  
2022/ 3355-65

Date: 11.07.2022.

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**Deputy Registrar,  
Academic.**

:: 02 ::

**Copy forwarded with compliments to:-**

- 1] **The Head, all concerned departments,**  
Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
- 2] **The Principal, all affiliated colleges,**  
Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
- 3] **The Director, University Network & Information Centre, UNIC,**  
with **a request to upload this Circular on University Website.**

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- 2] **The Sec. Officer, [B.A., B.Com, B.Sc. & M.A. Unit] Exam. Branch,**
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- 4] **The Programmer [Computer Unit-1] Examinations,**
- 5] **The Programmer [ Computer Unit-2] Examinations,**
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- 7] **The Public Relation Officer,**
- 8] **The Record Keeper,**  
Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

==\*\*==

DrK\*110722/-



**DR. BABASAHEB AMBEDKAR MARATHWADA  
UNIVERSITY, AURANGABAD.**



**Syllabus of  
Subject: Marathi**

**B.A. I Year  
Semester - I & II**

**Dean  
Faculty of Humanities,  
Dr. Babasaheb Ambedkar Marathwada  
University, Aurangabad.**

**Effective from 2022-2023 Year**





डॉ. बाबासाहेब आंबेडकर ताराठवाडा विद्यापीठ, औरंगाबाद.

बी.ए.बी.एससी.प्रथम वर्ष सत्र पहिले CBCS पध्दतीनुसार जून २०२२ पासून लागू

भारतीय भाषा : अराठी (भावा-१)

संकेतांक - AECC-1 Marathi

तासिका - ५७ तास - ४५ श्रेयांक - ०३ गुण - ५० (लेखी परीक्षा-४०, प्रात्यक्षिक -१०)

अ. क्र.	घटक	अभ्यासक्रमाचा तपशील	श्रेयांक	तास
१.	काव्य विभाग	१. वचन - महात्मा बसवेश्वर २. इये मन्हाठिचिये नगरी - संत ज्ञानेश्वर ३. अबाघा रंग एक झाला - संत सोयराबाई ४. पलित तू पावना - संत कान्होपात्रा ५. बाजार - संत एकनाथ ६. चित्तं शुद्ध तरी - संत तुकाराम ७. चंदनाचा संग लाधलिया वृक्ष - संत बहिणाबाई ८. फटका - अनंत फंदी ९. तयास मानव म्हणावे का ? - सावित्रीबाई फुले १०. आम्ही कोण ? - केशवसुत ११. देव दिसला, देव कोठे ? - बहिणाबाई चौधरी १२. फुलराणी - बालकवी	०१	१५
२.	गद्य विभाग व उपयोजित मराठी	१. रंभणयाचा दृष्टांत - केशीराज बास २. मराठी ग्रंथकार सभेस पत्र - महात्मा फुले ३. स्त्री- पुरुष तुलना - ताराबाई शिंदे ४. शील व सौजन्य - डॉ. बाबासाहेब आंबेडकर	१५	२३

		५. कला व जीवन - साने गुरुजी ६. डोळे - अण्णा भाऊ साठे उपयोजित मराठी (०४ घटक)			
३.	प्रकल्प / प्रात्यक्षिक / स्वाध्याय	अध्यापकांनी विद्यार्थ्यांच्या कौशल्यांना उपयुक्त असे विषय प्रकल्प / प्रात्यक्षिक / स्वाध्यायाकारिता मार्गदर्शन करणे अपेक्षित आहे.			
			०.५		०.७
			एकूण	०३	४५

प्रा. डॉ. दासू वैद्य  
अध्यक्ष मराठी अभ्यासमंडळ

21/1/2023



डॉ. बाबासाहेब आंबेडकर अराठवाडा विद्यापीठ, औरंगाबाद.

बी.ए./बी.एस्सी.प्रथम वर्ष सत्र दुसरे CBCS पध्दतीनुसार जून २०२२ पासून लागू

भारतीय भाषा : अराठी (भावा-२)

संकेतांक - AECC-2 Marathi

तासिका - ५७ तास - ४५ श्रेयांक - ०३ गुण - ५० (लेखी परीक्षा-४०, प्रात्यक्षिक-१०)

अ.क्र.	घटक	अभ्यासक्रमाचा तपशील	श्रेयांक	तास
१.	काव्य विभाग	१. या झोपडीत माझ्या - राष्ट्रसंत तुकडोजी महाराज २. प्रार्थना - कुसुमाग्रज ३. तुझ्या मताचे - वामनदादा कर्डक ४. सांगा कसं जगायचं ? - मंगेश पाडगावकर ५. आल्या जुळून तारा - सुहासिनी इलंकर ६. समाधान - फ. म. शहाजिंदे ७. जीवनाचा शोध घेताना - वाहरू सोनवणे ८. शिकवण - नारायण कुलकर्णी कवठेकर ९. कळा सोसताना - जगदीश कदम १०. जीवाचा आटापिटा - लोकनाथ यशवंत ११. वाप म्हणायचा - इंद्रजित भालेराव १२. युद्ध - नीरजा	०१	१५
२.	गद्य विभाग	१. ज्ञात-अज्ञात अहिल्याबाई होळकर - विनया खडपेकर २. खोप - सा. रं. बोराडे ३. बिनदरती - भीमराव वाघचौरे		

	व उपयोजित मराठी	४. कर्णारोफिल - रेखा वैजल ५. निश्चल डोंगरगाव, प्रेमळ माणसं - बा. भो. शास्त्री ६. लॉरी वेकर - अतुल देऊळगावकर उपयोजित मराठी (०४ घटक)	१.५	२३
३.	प्रकल्प / प्रात्यक्षिक / स्वाध्याय	अध्यापकांनी विद्यार्थ्यांच्या कौशल्यांना उपयुक्त असे विषय प्रकल्प / प्रात्यक्षिक / स्वाध्यायाकारिता मार्गदर्शन करणे अपेक्षित आहे.	०.५	०७
		एकूण	०३	४५

अध्यक्ष मराठी अभ्यासमंडळ

प्रा. डॉ. वासू वैद्य







डॉ. बाबासाहेब आंबेडकर ताराठवाडा विद्यापीठ, औरंगाबाद.

जून २०२२ पासून - नवीन अभ्यासक्रम (CBCS)

बी. ए. प्रथम (प्रथम सत्र)

अभ्यासपत्रिका १ली - ऐच्छिक मराठी

निवडक अभंग (अभंग आविष्कार)

संकेतांक- CC-1A(1) Marathi

तासिका - ५७ तास - ४५ श्रेयांक - ०३ गुण - ५० (लेखी परीक्षा-४०, प्रात्यक्षिक -१०)

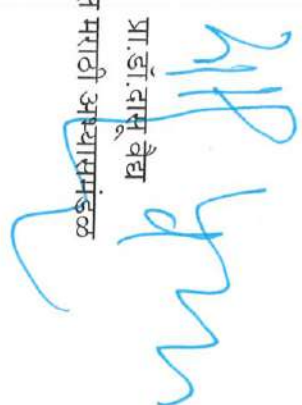
अ. क्र.	घटक	अभ्यासक्रमाचा तपशील	श्रेयांक	तास
१.	संकल्पना व स्वरूप	अभंग : संकल्पना, स्वरूप व परिचय १) संत ज्ञानेश्वर १) निर्जिवां दगडांची काय करिसी सेवा । २) चोराचियासंगें क्रमितां पै पंथ । ३) कापुरा अग्नि स्नेह जाला । ४) ये सातें आलिया वोळंगा सासंगधर । २) संत नामदेव १) मनाचें मनपण सांडितां रोकडे । २) धनमानबळें नाठविसी देवा । ३) शेवटिली पाळी तेव्हा मनुष्य जन्म । ४) देहाचें ममत्व नाही जो तुटलें । ५) मिथ्या माया जाल मूगजळ बाधा । ३) संत गोरा कुंभार १) मुकिया साखर चाखाया दिधली २) केशवाचे भेटी लागले पिसें ।	०.५	०७
२.	संत ज्ञानेश्वर संत नामदेव संत गोरा कुंभार संत सेना न्हावी		०१	१५

		<p>३) निर्गुणाचा संग धरिला जो आवडी ।  ४) एकमेकांमाजी भाव एकविध  ५) संत सेना न्हावी  ६) चित नाही हातीं  ७) करितां परोपकार ।  ८) धन कोणा कामा आले  ९) जेथे वेदा न कळे पार</p>		
		<p>५) संत चोखामेळा  ६) भेदाभेद कर्म नकळे त्याचे वर्म ।  ७) पंचही भूतांचा एकचि विटाळ ।  ८) कोण तो सोंबळा कोण तो वोवळा ।  ९) ऊंस डोंगा परी रस नव्हे डोंगा ।  १०) संत जनाबाई  ११) पक्षी जाय दिगंतरां ।  १२) देहाचा पालट विठोबाचे भेटी ।  १३) संत भार पंढरीत ।  १४) माझे मनीं जें जें होतें ।  १५) संत एकनाथ  १६) न जायेचि ताटा नित्य खटाटोप ।  १७) स्वहिताकारणें संगती साधूची ।  १८) बहुतां सुकृतीं नरदेह लाधला ।  १९) जें जें दृष्टी दिसे तें तें हरिरूप ।  २०) संत तुकाराम  २१) यरोवरी अवघे झाले ब्रह्मज्ञान ।  २२) जीवन हे मुक्त नर जाले पावन ।  २३) जोडोनियां धन उत्तम वेव्हारें ।  २४) त्याग तरी ऐसा करा ।  २५) पुण्य परपकार पाप ते परपीडा ।  २६) जळो तैसा प्रेम रंग ।</p>	०१	१५
३.	<p>संत चोखामेळा  संत जनाबाई  संत एकनाथ  संत तुकाराम</p>			
४.	<p>प्रकल्प / प्रात्यक्षिक /</p>	<p>अध्यापकांनी विद्यार्थ्यांच्या कौशल्यांना उपयुक्त असे विषय प्रकल्प / प्रात्यक्षिक /</p>	०.५	०८

स्वाध्याय	स्वाध्यायाकारिता मार्गदर्शन करणे अपेक्षित आहे.	एकूण	०३	४५
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अध्यक्ष मराठी अभ्यासमंडळ

प्रा. डॉ. दासू वैद्य





डॉ. बाबासाहेब आंबेडकर वराठवाडा विद्यापीठ, औरंगाबाद.

बी.ए. प्रथम वर्ष सत्र पहिले CBCS पध्दतीनुसार जून २०२२ पासून लागू  
विषय - मराठी (ऐच्छिक) अभ्यासक्रम (अभ्यासपत्रिका - १ ली) (पर्यायी अभ्यासपत्रिका)

साहित्याचे विशेष अध्ययन : चरित्र -आत्मचरित्र

संकेतांक-CC-1A(1) Marathi

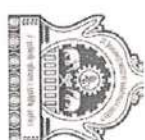
तासिका - ५७ तास - ४५ श्रेयांक - ०३ गुण - ५० (लेखी परीक्षा -४० प्रात्यक्षिक-१०)

अ.क्र.	घटक	अभ्यासक्रमाचा तपशील	श्रेयांक	तास
१	चरित्र - आत्मचरित्र संकल्पना व स्वरूप	चरित्र - आत्मचरित्र : संकल्पना स्वरूप व परिचय	०.५	०७
२	नेमलेल्या कलाकृती	जेव्हा गुणखी राजा होतो (चरित्र) - निंबाजीराव पवार	१	१५
३		बॅरिस्टरचं कार्ट (आत्मचरित्र) - डॉ.हिमतराव बावस्कर	१	१५
४	प्रकल्प / प्रात्यक्षिक / स्वाध्याय	अध्यापकांनी विद्यार्थ्यांच्या कौशल्यांना उपयुक्त असे विषय प्रकल्प / प्रात्यक्षिक / स्वाध्यायाकारिता मार्गदर्शन करणे अपेक्षित आहे.	०.५	८
		एकूण	०३	४५

प्रा.डॉ.दासू वैद्य

अध्यक्ष मराठी भाषा अभ्यासमंडळ





## डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद.

बी.ए. प्रथम वर्ष सत्र पहिले CBCS पध्दतीनुसार जून २०२२ पासून लागू

विषय - मराठी (ऐच्छिक) अभ्यासक्रम (अभ्यासपत्रिका-२ री)

साहित्याचे विशेष अध्ययन : निवडक कथा (कथार्थ)

संकेतांक- CC-1A(2) Marathi

तासिका - ५७तास - ४५श्रेयांक - ०३गुण - ५० (लेखी परीक्षा -४० प्रात्यक्षिक-१०)

अ. क्र.	अभ्यासक्रमाचा तपशील	श्रेयांक	तास
१.	१) आकाश २) मला नको ना बायको ३) चैत्र ४) विद्रोह ५) पानबळी ६) अल्पभूधारक ७) शाल्य ८) नवा सूर्योदय ९) जाणीव १०) शिक्षण बॉब मारतंय ११) मेंदूची बाळं १२) रडणारी महतारी संध्याकाळ १३) बाबलच्या आयुष्यातील धादांत सत्य... जयंत पवार १४) चिरेबंद अध्यापकांनी विद्यार्थ्यांच्या कौशल्यांना उपयुक्त असे विषय प्रकल्प / प्रात्यक्षिक / स्वाध्यायाकारिता मार्गदर्शन करणे अपेक्षित आहे.	२.५	३७
२.	एकूण	०३	४५

प्रा. डॉ. दासू वैद्य

अध्यक्ष मराठी भाषा अभ्यासमंडळ



## डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद.

बी.ए. प्रथम वर्ष सत्र पहिले CBCS पध्दतीनुसार जून २०२२ पासून लागू

विषय - मराठी (ऐच्छिक) अभ्यासक्रम (अभ्यासपत्रिका - २ री) (पर्यायी अभ्यासपत्रिका)

साहित्याचे विशेष अध्ययन : प्रवासवर्णन

संकेतांक- CC-1A(2) Marathi

तासिका - ५७ तास - ४५ श्रेयांक - ०३ गुण - ५० (लेखी परीक्षा - ४० प्रात्यक्षिक-१०)

अ. क्र.	घटक	अभ्यासक्रमाचा तपशील	श्रेयांक	तास
१	प्रवासवर्णन : संकल्पना व स्वरूप	प्रवासवर्णन : संकल्पना स्वरूप व परिचय	०.५	०७
२	नेमलेली कलाकृती	माझा प्रवास - गोडसे भटजी	१	१५
३	नेमलेली कलाकृती	माझं लंडन - मीना प्रभू	१	१५
४	प्रकल्प / प्रात्यक्षिक / स्वाध्यय	अध्यापकांनी विद्यार्थ्यांच्या कौशल्यांना उपयुक्त असे विषय प्रकल्प / प्रात्यक्षिक / स्वाध्यायाकरिता मार्गदर्शन करणे अपेक्षित आहे.	०.५	८
		एकूण	०३	४५

प्रा.डॉ. दासू वैद्य

अध्यक्ष मराठी भाषा अभ्यासमंडळ



## डॉ. ब.बा.साहिब आंबेडकर नगरठावाडा विद्यापीठ, औरंगाबाद.

बी.ए. प्रथम वर्ष (द्वितीय सत्र) CBCS पध्दतीनुसार जून २०२२ पासून लागू

अभ्यासपत्रिका ३ री - ऐच्छिक मराठी

### निवडक ललित वाद्य (ललितवांश)

संकेतांक- CC-1B(3) Marathi

(तासिका - ५७ तास - ४५ श्रेयांक - ०३ गुण - ५० (लेखी परीक्षा -४० प्रात्यक्षिक-१०)

अ. क्र.	घटक	अभ्यासक्रमाचा तपशील	श्रेयांक	तास
१.	ललित गद्य संकल्पना व स्वरूप	ललित गद्य संकल्पना स्वरूप व परिचय.	०.५	०७
२.	नेमलेली कलाकृती	१. बा शेतकऱ्या ऊढ! - साने गुरुजी २. पैस - दुर्गा भागवत ३. गांधी आमचा कोण लागतो? - अनंत भालेराव ४. विघ्न संतोषी - विजय तेंडुलकर ५. महाविद्यालयातील विद्यार्थ्यांस पत्र - शरद जोशी ६. वन्यजीव निरीक्षणाची किमया - मारुती चितमपल्ली ७. औरंगाबाद : महाराष्ट्रातील दिल्ली - सुधीर रसाळ ८. अरण्यातील आत्मभान - महेश एलकुंचवार ९. आपली फुलवण्याचीही आणि फुलवण्याचीही क्षमता ओळखूया - आ.ह.साळुंखे १०. शब्दांच्या संध्याकाळी - श्रीनिवास विनायक कुलकर्णी ११. यशवंतराव: साधे, सुसंस्कृत, मायाळू - अनिल अवचट १२. लेखक व्हायचं तर... जिवाळा आणि तटस्थता हवी - दत्ता भगत	१	१५
३.	नेमलेली कलाकृती		१	१५

		१३. सुभाष सानपाची गोष्ट - नागनाथ कोतापल्ले			
४.	प्रकल्प / प्रात्यक्षिक / स्वाध्याय	अध्यापकांनी विद्यार्थ्यांच्या कौशल्यांना उपयुक्त असे विषय प्रकल्प / प्रात्यक्षिक / स्वाध्यायाकरिता मार्गदर्शन करणे अपेक्षित आहे.	०.५	८	
		एकूण	०३	४५	

प्रा. डॉ. दासू वैद्य  
अध्यक्ष मराठी भाषा अभ्याससंघटने







## डॉ. बाबासाहेब आंबेडकर वराठवाडा विद्यापीठ, औरंगाबाद.

बी.ए. प्रथम वर्ष (द्वितीय सत्र) CBCS पध्दतीनुसार जून २०२२ पासून लागू

विषय - मराठी (ऐच्छिक) अभ्यासक्रम (अभ्यासपत्रिका -३ री) (पर्यायी अभ्यासपत्रिका)

साहित्याचे विशेष अध्ययन : विज्ञानकथा

संकेतांक-CC-1B (3) Marathi

(तासिका - ५७ तास - ४५ श्रेयांक - ०३ गुण - ५० (लेखी परीक्षा -४० प्रात्यक्षिक-१०)

अ. क्र.	घटक	अभ्यासक्रमाचा तपशील	श्रेयांक	तास
१.	विज्ञानकथा संकल्पना व स्वरूप	विज्ञान कथा : संकल्पना स्वरूप व परिचय	०.५	०७
२.	नेमलेली कलाकृती	१. यक्षाची देणगी - जयंत नारळीकर	१	१५
३.	नेमलेली कलाकृती	२. दुसरा आइनस्टाईन - लक्ष्मण लोंढे	१	१५
४.	प्रकल्प / प्रात्यक्षिक / स्वाध्याय	अध्यापकांनी विद्यार्थ्यांच्या कौशल्यांना उपयुक्त असे विषय प्रकल्प / प्रात्यक्षिक / स्वाध्यायाकारिता मार्गदर्शन करणे अपेक्षित आहे.	०.५	८
		एकूण	०३	४५

प्रा. डॉ. दासू वैद्य

अध्यक्ष मराठी भाषा अभ्यासमंडळ



डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद.

बी.ए. प्रथम वर्ष (द्वितीय सत्र) CBCS पध्दती नुसार जून २०२२ पासून लागू

अभ्यासपत्रिका X थी - ऐच्छिक मराठी

निवडक आधुनिक कविता

संकेतांक- CC-1B(4)Marathi

तासिका - ५७ तास - ४५ श्रेयांक - ०३ गुण - ५० (लेखी परीक्षा - ४० प्रात्यक्षिक - १०)

अ.क्र.	घटक	अभ्यासक्रमाचा तपशील	श्रेयांक	तास
१.	आधुनिक कविता	आधुनिक कविता : संकल्पना, स्वरूप व परिचय	०.५	०७
	१) ना. धों. महानोर	सुना सोन्याचा पिंपळ (१ ते ५) (कवितासंग्रह - प्रार्थना दयाधना)		
२.	२) अनुराधा पाटील	१) आपल्याला नव्हती, २) उलटताहेत नुसतीच, ३) पत्ता बदलला तरी, ४) वाहत्या गंगेत, ५) उजाड गावठाणात ('कदाचित अजूनही' कवितासंग्रहातून)	२	३०
	३) इलाही जमादार	१) इतक्या उंचीवरून जग हे पाहतेस आता २) देखाव्यातून भक्ती दिसते ईश्वर दिसतो ३) जोवर आहे काळ आणखी स्थान माणसा ४) नसते धंदे करू नको तू सांगात असतो ५) दास बनीनी सखे तुझा मी मनापासुनी सेवा केली ('आभास' - गजल संग्रहातून)		
	४) प्रज्ञा दया पवार	१) हे दुःख नाही फक्त माझं २) अनवट ३) कारावास ४) माझा बाप आहेस ५) विठाबाई भाऊ मांग नारायणगावकर (उत्कट जीवघेण्या धर्मीवर - कवितासंग्रहातून)		
	५) श्रीकांत देशमुख	१) भूमी सावरण्याची गोष्ट २) निर्दण-या बाया ३) कास्तकाराचा मृत्यू ४) मातीआड झाल्यानंतर ५) गावात शिरताना ('बोलावें ते आम्ही' - कवितासंग्रहातून)		
	६) सौमित्र	१) गुल्बी २) पुस्तक ३) तुमच्या कवितेत ४) रेन मशीन ५) आईला वाटत असेल ('बाऊल')		
	७) कल्पना दुधाळ	१) गणगोत २) अफवाही नाहीत या ३) धरणातलं पाणी आटल्यावर ४) परिवर्तनाव्या नावानं ५) म्हणतारा ('धगा असतेच आसपास' - कवितासंग्रहातून)		
३.	प्रकल्प / प्रात्यक्षिक / स्वाध्याय	अध्यापकांनी विद्यार्थ्यांच्या कौशल्यांना उपयुक्त असे विषय प्रकल्प / प्रात्यक्षिक / स्वाध्यायाकारिता मार्गदर्शन करणे अपेक्षित आहे.	०.५	८
		एकूण	०३	४५



## डॉ. बाबासाहेब आंबेडकर ताराठवाडा विद्यापीठ, औरंगाबाद

बी.ए. प्रथम वर्ष सत्र दुसरे CBCS पध्दतीनुसार जून २०२२ पासून लागू

विषय - मराठी (ऐच्छिक) अभ्यासक्रम (अभ्यासपत्रिका - ४ थी) (पर्यायी अभ्यासपत्रिका)

साहित्याचे विशेष अध्ययन : बालसाहित्य

संकेतांक - CC-1B(4) Marathi

तासिका - ५७ तास - ४५ श्रेयांक - ०३ गुण - ५० (लेखी परीक्षा - ४० प्रात्यक्षिक-१०)

अ. क्र.	घटक	अभ्यासक्रमाचा तपशील	श्रेयांक	तास
१	बालसाहित्य : संकल्पना व स्वरूप	बालसाहित्य : संकल्पना स्वरूप व परिचय	०.५	०७
२	नेमलेली कलाकृती	शिवाची वाडी - महावीर जोंधळे (बालकादंबरी) मिशी हरवली आहे - सूर्यकांत सराफ (बालनाट्य)	१	१५
३	नेमलेली कलाकृती	भारतीय श्रेष्ठ बालकथा - संपा. - बाबा भांड	१	१५
४	प्रकल्प / प्रात्यक्षिक / स्वाध्याय	अभ्यापकांनी विद्यार्थ्यांच्या कौशल्यांना उपयुक्त असे विषय प्रकल्प / प्रात्यक्षिक / स्वाध्यायाकारिता मार्गदर्शन करणे अपेक्षित आहे.	०.५	८
		एकूण	०३	४५

प्रा. डॉ. दासू वैद्य

अध्यक्ष मराठी भाषा अभ्यासमंडळ





डॉ.बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद.

मराठी विषयाचा पुनर्रचित अभ्यासक्रम जून २०२२

प्रथम वर्ष कला (F.Y. B.A.)

निवड आधारित श्रेयांक पद्धत

Choice Based Credit System (CBCS)

सत्र	अभ्यासपत्रिकेचे नाव	मराठी	अभ्यासपत्रिका क्रं.	संकेतांक	स्वरूप
पहिले	भारतीय भाषा - मराठी (भाग -१) (मायबोली)	भारतीय भाषा	अभ्यासपत्रिका - १ ली	<u>AECC-1</u> Marathi	नियमित
दुसरे	भारतीय भाषा - मराठी (भाग-२) (मायबोली)	भारतीय भाषा	अभ्यासपत्रिका - २ री	<u>AECC-2</u> Marathi	नियमित
पहिले	निवडक अभंग (अभंग आविष्कार)	ऐच्छिक	अभ्यासपत्रिका - १ ली	<u>CC-1A(1)</u> Marathi	नियमित
	साहित्याचे विशेष अध्ययन : चरित्र - आत्मचरित्र	ऐच्छिक	अभ्यासपत्रिका - १ ली	<u>CC-1A(1)</u> Marathi	पर्यायी
पहिले	निवडक कथा (कथार्थ)	ऐच्छिक	अभ्यासपत्रिका - २ री	<u>CC-1A(2)</u> Marathi	नियमित
	साहित्याचे विशेष अध्ययन : प्रवासवर्णन	ऐच्छिक	अभ्यासपत्रिका - २ री	<u>CC-1A(2)</u> Marathi	पर्यायी
दुसरे	निवडक ललित गद्य (ललित गंध)	ऐच्छिक	अभ्यासपत्रिका - ३ री	<u>CC-1B(3)</u> Marathi	नियमित
	साहित्याचे विशेष अध्ययन : विज्ञानकथा	ऐच्छिक	अभ्यासपत्रिका - ३ री	<u>CC-1B(3)</u> Marathi	पर्यायी
दुसरे	निवडक आधुनिक कविता	ऐच्छिक	अभ्यासपत्रिका - ४ थी	<u>CC-1B(4)</u> Marathi	नियमित
	साहित्याचे विशेष अध्ययन : बालसाहित्य	ऐच्छिक	अभ्यासपत्रिका - ४ थी	<u>CC-1B(4)</u> Marathi	पर्यायी





डॉ.बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद.

जून २०२२ पासून- नवीन अभ्यासक्रम (CBCS)

बी.ए.,बी.एस्सी प्रथम वर्ष (प्रथम सत्र)

भारतीय भाषा : मराठी (भाग-१)

अभ्यासपत्रिका-१ ली

संकेतांक - AECC-1 Marathi

उद्दिष्टे -

- १) मराठीतील वैविध्यपूर्ण सृजनाविष्काराचा आस्वाद घेण्याची अभिरूची निर्माण करून कलाकृतीतील सौंदर्यस्थळांचा शोध घेण्याची वृत्ती वाढीस लावणे.
- २) विद्यार्थ्यांमध्ये नीतिमूल्यांचे व वैज्ञानिक जाणिवांचे संस्करण करणे.
- ३) राष्ट्रीय एकात्मता व बंधुभाव वाढीस लागण्यास मदत करणे.
- ४) निवडक गद्य व काव्याच्या अनुषंगाने मराठी साहित्यातील विविध प्रवाहांचा परिचय करून देणे.
- ५) उपयोजित मराठीच्या माध्यमातून रोजगाराभिमुख शिक्षण देऊन व्यावसायिक वृत्ती वाढविणे व स्वावलंबी बनवण्यास मदत करणे.
- ६) भाषिक लेखनाचा स्तर उंचावण्यास मदत करणे.
- ७) सर्जनासाठी विद्यार्थ्यांना उद्युक्त करणे.

(सत्र- पहिले) (मायबोली)

काव्य विभाग

१. वचन - महात्मा बसवेश्वर
२. इये मन्हाठिचिये नगरी - संत ज्ञानेश्वर
३. अवघा रंग एक झाला - संत सोयराबाई
४. पतित तू पावना - संत कान्होपात्रा

५. बाजार - संत एकनाथ
६. चित्त शुद्ध तरी - संत तुकाराम
७. चंदनाचा संग लाधलिया वृक्ष - संत बहिणाबाई
८. फटका - अनंत फंदी
९. तयास मानव म्हणावे का ? - सावित्रीबाई फुले
१०. आम्ही कोण ? - केशवसुत
११. देव दिसला, देव कोठे ? - बहिणाबाई चौधरी
१२. फुलराणी - बालकवी

### गद्य विभाग

१. रुंभणेयाचा दृष्टांत - केशीराज बास
२. मराठी ग्रंथकार सभेस पत्र - महात्मा फुले
३. स्त्री- पुरुष तुलना - ताराबाई शिंदे
४. शील व सौजन्य - डॉ. बाबासाहेब आंबेडकर
५. कला व जीवन - साने गुरुजी
६. डोळे - अण्णा भाऊ साठे

### उपयोजित मराठी

१. लेखन विषयक नियम
२. विरामचिन्हे
३. ब्लॉग लेखन
४. गीत लेखन

### प्रकल्प लेखन

१. शिबिरातील रोजनिशी
२. प्रवास नोंदी
३. मुलाखत (कामगार, छोटे व्यावसायिक, रोजंदारीवरील कामगार)
४. ओवी संकलन व विश्लेषण



डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद.

जून २०२२ पासून- नवीन अभ्यासक्रम (CBCS)

बी.ए.,बी.एस्सी प्रथम वर्ष (द्वितीय सत्र) अभ्यासपत्रिका-२ री

संकेतांक - AECC-2 Marathi

भारतीय भाषा : मराठी (भाग-२)

(मायबोली)

काव्य विभाग

१. या झोपडीत माझ्या - राष्ट्रसंत तुकडोजी महाराज
२. प्रार्थना - कुसुमाग्रज
३. तुझ्या मताचे - वामनदादा कर्डक
४. सांगा कसं जगायचं ? - मंगेश पाडगावकर
५. आल्या जुळून तारा - सुहासिनी इर्लेकर
६. समाधान - फ.म. शहाजिंदे
७. जीवनाचा शोध घेताना - वाहरू सोनवणे
८. शिकवण - नारायण कुलकर्णी कवठेकर
९. कळा सोसताना - जगदीश कदम
१०. जीवाचा आटापिटा - लोकनाथ यशवंत
११. बाप म्हणायचा - इंद्रजित भालेराव
१२. युद्ध - नीरजा

गद्य विभाग

१. ज्ञात-अज्ञात अहिल्याबाई होळकर - विनया खडपेकर
२. खोप - रा.रं.बोराडे
३. बिनदरदी - भीमराव वाघचौरे
४. क्लोरोफिल - रेखा बैजल
५. निश्चल डोंगरगाव, प्रेमळ माणसं - बा.भो.शास्त्री

६. लॉरी बेकर - अतुल देऊळगावकर

### उपयोजित मराठी

- १) पुस्तक परीक्षण
- २) नाट्य परीक्षण (प्रयोगाचे आकलन)
- ३) पटकथा (संकल्पना समजून घेणे.)
- ४) जाहिरात लेखन

### प्रकल्प लेखन

प्रकल्प लेखनाच्या संदर्भात पुढील विषयाच्या अनुषंगाने ०१ श्रेयांकात अध्यापकाने मार्गदर्शन करणे अभिप्रेत आहेत.

- १) म्हणी संकलन व विश्लेषण
- २) घोषवाक्य (वेगवेगळ्या विषयावरील दहा घोषवाक्य तयार करून विश्लेषण करणे)
- ३) संवादलेखन
- ४) मुलाखत ( साहित्यिक, लोकप्रतिनिधी, प्रशासक, कर्तबगार व्यक्ती)

टीप : प्रकल्प लेखनासाठी प्रत्येक सत्रात उपनिर्देशित विषयातील एखादा विषय निवडून २००० शब्द मर्यादित लिहावा.

भारांश : काव्य -१५, गद्य- १५, उपयोजित मराठी १० गुण, प्रकल्पलेखन -१० गुण = एकूण ५० गुण  
प्रश्नपत्रिकेचे स्वरूप

[४० गुण]

सूचना :

- पहिला प्रश्न सोडविणे अनिवार्य

प्रश्न १ ला : १) बहुपर्यायी - १० गुण

प्रश्न २ रा : पुढील प्रश्नांची सविस्तर उत्तरे लिहा. (कोणतेही दोन) १० गुण

प्रश्न ३ रा : पुढील प्रश्नांची सविस्तर उत्तरे लिहा. (कोणतेही दोन) १० गुण

प्रश्न ४था : टीपा लिहा . (कोणतेही दोन) १० गुण

(उपरोक्त प्रश्नपत्रिकेचे स्वरूप सर्व अभ्यासपत्रिकांना लागू आहे.)





## डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद.

जून २०२२ पासून - नवीन अभ्यासक्रम (CBCS)

बी.ए.प्रथम (प्रथम सत्र)

अभ्यासपत्रिका १ली - ऐच्छिक मराठी

### निवडक अभंग (अभंग आविष्कार)

उद्दिष्टे -

- १) संत साहित्याचा आणि त्या प्रवाहाचा परिचय करून देणे.
- २) 'अभंग' प्रकाराचे स्वरूप विशेष (फॉर्म) लक्षात आणून देणे.
- ३) निवडक अभंगातील आशय व अभिव्यक्ती समजून सांगतानाच अभंगातील मूल्यविचार उलगडून दाखवणे.
- ४) संतांच्या अभंग रचनेतील पृथगात्मता व साम्य स्थळांचा उलगडा करणे.
- ५) आजच्या काळात अभंगाची उपयुक्तता सांगतानाच 'अभंगा'चे अक्षरत्व व कालातीतता सिद्ध करणे.

### अभ्यासक्रम

#### १) संत ज्ञानेश्वर

- १) निर्जिवां दगडांची काय करिसि सेवा ।
- २) चोराचियासंगें क्रमितां पै पंथ ।
- ३) कापुरा अग्नि स्नेह जाला ।
- ४) ये सार्ते आलिया वोळंगा सारंगधरु ।

#### ३) संत गोरा कुंभार

- १) मुकिया साखर चाखाया दिधली
- २) केशवाचे भेटी लागले पिसें ।
- ३) निर्गुणाचा संग धरिला जो आवडी ।
- ४) एकमेकांमाजी भाव एकविध

#### २) संत नामदेव

- १) मनाचें मनपण सांडितां रोकडे ।
- २) धनमानबळें नाठविसी देवा ।
- ३) शेवटिली पाळी तेव्हा मनुष्य जन्म ।
- ४) देहाचें ममत्व नाही जों तुटलें ।
- ५) मिथ्या माया जाल मृगजळ बाधा ।

#### ४) संत सेना न्हावी

- १) चित्त नाही हातीं
- २) करितां परोपकार ।
- ३) धन कोणा कामा आले
- ४) जेथे वेदा न कळे पार

५) संत चोखामेळा

- १) भेदाभेद कर्म नकळे त्याचे वर्म ।
- २) पंचही भूतांचा एकचि विटाळ ।
- ३) कोण तो सोंवळा कोण तो वोवळा ।
- ४) ऊस डोंगा परी रस नव्हे डोंगा ।

६) संत जनाबाई

- १) पक्षी जाय दिगंतरां ।
- २) देहाचा पालट विठोबाचे भेटी ।
- ३) संत भार पंढरीत ।
- ४) माझे मनीं जें जें होतें ।

७) संत एकनाथ

- १) न जायेचि ताठा नित्य खटाटोप ।
- २) स्वहिताकारणें संगती साधूची ।
- ३) बहुतां सुकृतीं नरदेह लाधला ।
- ४) जें जें दृष्टी दिसे तें तें हरिरूप ।

८) संत तुकाराम

- १) घोघरी अवघे झाले ब्रह्मज्ञान ।
- २) जीवन हे मुक्त नर जाले पावन ।
- ३) जोडोनियां धन उत्तम वेव्हारें ।
- ४) त्याग तरी ऐसा करा ।
- ५) पुण्य परपकार पाप ते परपीडा ।
- ६) जळो तैसा प्रेम रंग ।

## प्रकल्प लेखन

- १) आपल्या आवडीनुसार एका संताचे चरित्र लेखन करा.
- २) कोणत्याही एका संताच्या पाच अभागांचे रसग्रहण (नोट: अभ्याक्रमातील अभागाव्यतिरिक्त आपल्या आवडीनुसार संत निवडावेत.)
- ३) संतांच्या रचनेतील  
१) अंधश्रद्धा निर्मूलन      २) पर्यावरण विचार  
३) सामाजिक समता      ४) वैज्ञानिक दृष्टिकोन  
यापैकी कोणत्याही एका विषयावर २००० शब्द मर्यादित प्रकल्प तयार करणे.
- ४) मुलाखत.  
अ) कीर्तनकाराची मुलाखत  
ब) प्रवचनकार  
क) भारुडकार

टीप : वरीलपैकी कोणताही एक विषय निवडून विद्यार्थ्यांनी २००० शब्दांपर्यंत प्रकल्प पूर्ण करणे.



डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद.

(पर्यायी अभ्यासपत्रिका)

जून २०२२ पासून- नवीन अभ्यासक्रम (CBCS)

बी.ए. प्रथम वर्ष (प्रथम सत्र)

संकेतांक - CC-1A(1) Marathi

मराठी (ऐच्छिक) अभ्यासपत्रिका-१ (पर्यायी अभ्यासपत्रिका)

साहित्याचे विशेष अध्ययन : चरित्र-आत्मचरित्र

उद्दिष्टे -

- १) चरित्र-आत्मचरित्र प्रकाराचे स्वरूप-विशेष यांची माहिती देणे.
- २) चरित्र-आत्मचरित्र परंपरा व प्रकारांचा परिचय करून देणे.
- ३) निवडक चरित्र-आत्मचरित्र माध्यमातून विद्यार्थ्यांच्या आकलन व आस्वादात्मक वाढीला चालना देणे.
- ४) निवडक चरित्र-आत्मचरित्रांच्या आधारे विद्यार्थ्यांना कलामूल्ये व जीवनमूल्ये यांचा परिचय करून देत मूल्यांचे संस्करण करणे.
- ५) वाङ्मयीन अभिरूची वाढीस लावून विद्यार्थ्यांना चरित्र-आत्मचरित्र सृजनाविष्कारास उद्युक्त करणे.
- ६) चरित्र-आत्मचरित्र लेखनातील वाङ्मयीन मूल्ये व भाषिक रूपे लक्षात आणून देणे.
- ७) चरित्र-आत्मचरित्रांच्या अनुषंगाने समकालीन जाणिवा व तत्कालीन सामाजिक स्थिती जाणून घेण्यास मदत करणे.

## अभ्यासक्रम

अभ्यासक्रमासाठी नेमलेल्या साहित्यकृती

- १) जेव्हा गुराखी राजा होतो. (चरित्र) - निंबाजीराव पवार, राजहंस प्रकाशन
- २) बॅरिस्टरचं कार्ट. (आत्मचरित्र) - डॉ. हिम्मतराव बावस्कर, मॅजेस्टिक प्रकाशन

## प्रकल्प लेखन

- कोणत्याही एका चरित्र - आत्मचरित्राचे परीक्षण लिहा.



## डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद.

जून २०२२ पासून- नवीन अभ्यासक्रम (CBCS)

बी.ए. प्रथम (प्रथम सत्र)

अभ्यासपत्रिका २ री- ऐच्छिक मराठी

**निवडक कथा (कथार्थ)**

संकेतांक-CC-1A(2)Marathi

उद्दिष्टे-

- १) कथा वाङ्मय प्रकाराचे स्वरूप-विशेष व प्रेरणा यांची माहिती देणे.
- २) कथा वाङ्मयाची परंपरा, विविध प्रवाह, प्रकारांचा परिचय करून देणे.
- ३) निवडककथांच्या माध्यमातून विद्यार्थ्यांच्या आकलन व आस्वादात्मक वाढीला चालना देणे.
- ४) निवडक कथांच्या आधारे विद्यार्थ्यांना कलामूल्ये व जीवनमूल्ये यांचा परिचय करून देत मूल्यांचे संस्करण करणे.
- ५) वाङ्मयीन अभिरूची वाढीस लावून विद्यार्थ्यांना कथात्म सृजनाविष्कारास उद्युक्त करणे .
- ६) कथेची वाङ्मयीन मूल्ये व भाषिक रूपे लक्षात आणून देणे .
- ७) कथेच्या अनुषंगाने समकालीन जाणिवा व तत्कालीन सामाजिक स्थिती समजून घेण्यास मदत करणे.

### निवडक कथा

१) आकाश	बी. रघुनाथ
२) मला नको ना बायको	प्र.के.अत्रे
३) चैत्र	जी. ए. कुलकर्णी
४) विद्रोह	बाबुराव बागुल
५) पानबळी	भास्कर चंदनशिव
६) अल्पभूधारक	बाबाराव मुसळे
७) शल्य	उर्मिला पवार
८) नवा सूर्योदय	भारत सासणे
९) जाणीव	छाया महाजन
१०) शिक्षण बोंब मारतंय	अविनाश डोळस
११) मेंदूची बाळं	सुबोध जावडेकर



१२)	रडणारी म्हातारी संध्याकाळ	राजन खान
१३)	बाबलच्या आयुष्यातील धादांत सत्य...	जयंत पवार
१४)	चिरेबंद	आसाराम लोमटे

## प्रकल्प लेखन

प्रकल्प लेखनविषयी अध्यापकाने पुढील विषयावर ०.५ श्रेयांकामध्ये मार्गदर्शन करणे अभिप्रेत आहे.

- १) कथा/ कथा संग्रहाचे परीक्षण करा.(आवडीनुसार २००० शब्द मर्यादा)
- २) कथाकाराची मुलाखत (२००० शब्द मर्यादा)
- ३) कथा लेखन (स्वलिखित)
- ४) कथा प्रकाराचा परिचय

टीप : वरील पैकी कोणताही एक विषय निवडून विद्यार्थ्यांनी २००० शब्दांपर्यंत प्रकल्प पूर्ण करणे.



डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद.

(पर्यायी अभ्यासपत्रिका)

जून २०२२ पासून- नवीन अभ्यासक्रम (CBCS)

बी.ए. प्रथम वर्ष (प्रथम सत्र)

मराठी (ऐच्छिक) अभ्यासपत्रिका-२ (पर्यायी अभ्यासपत्रिका)

साहित्याचे विशेष अध्ययन : प्रवासवर्णन

संकेतांक - CC-1A(2) Marathi

उद्दिष्टे-

- १) प्रवासवर्णन या वाङ्मय प्रकाराची माहिती करून देणे.
- २) लेखकाच्या काळातील स्पंदने व कलावंताची संवेदनशीलता उलगडून दाखवणे.
- ३) प्रवासवर्णन या वाङ्मय प्रकाराच्या आकलन व आस्वादाची क्षमता वाढीला लावणे. तसेच एक रसिक वाचक निर्माण करणे.
- ४) प्रवासवर्णनाच्या माध्यमातून सामाजिक बांधिलकीची मूल्ये रुजविणे.
- ५) प्रवासवर्णनातील आशय व अभिव्यक्तीचे स्वरूप न्याहाळणे.

अभ्यासक्रम

अभ्यासक्रमासाठी नेमलेल्या साहित्यकृती :

१) माझा प्रवास - गोडसे भटजी

२) माझं लंडन - मीना प्रभू

प्रकल्प लेखन

- सहलीचा वृत्तांत लिहा.
- आवडलेल्या प्रवास वर्णनपर ग्रंथाचा परिचय करून द्या.
- प्रवास केल्याने जीवनात येणारी समृद्धता (निबंध लिहा.)



## डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद.

जून २०२२ पासून- नवीन अभ्यासक्रम (CBCS)

बी.ए. प्रथम (द्वितीय सत्र)

अभ्यासपत्रिका ३ री - ऐच्छिक मराठी

निवडक ललित गद्य (ललित गंध)

संकेतांक - CC-1B(3) Marathi

उद्दिष्टे-

- १) ललित गद्याचे स्वरूप विशेष व परंपरा यावर प्रकाश टाकणे.
- २) इतर वाङ्मयप्रकारापेक्षा ललित गद्याचे वेगळेपण उलगडून दाखवणे.
- ३) ललित लेखकाच्या तरल, संवेदनशील, विचारशील प्रवृत्तीचा शोध व त्या प्रवृत्तीचा लेखनास झालेला स्पर्श आणि त्यातून निर्माण झालेले सौंदर्य याचा शोध घेणे.
- ४) निवडक लेखकांच्या ललित लेखांची भिन्न प्रकृती व त्यातील साम्यता यांचा उलगडा करणे.
- ५) लालित्याच्या अंगाने जाणाऱ्या विविध लेखांचा परिचय करून देऊन विद्यार्थ्यांना ललित लेखनाच्या सर्जनशीलतेसाठी उद्युक्त करणे.

### ललित गद्य

- १) बा शेतकऱ्या ऊठ! - साने गुरुजी
- २) पैस - दुर्गा भागवत
३. गांधी आमचा कोण लागतो? - अनंत भालेराव
४. विघ्न संतोषी - विजय तेंडुलकर
५. महाविद्यालयातील विद्यार्थ्यांस पत्र - शरद जोशी
६. वन्यजीव निरीक्षणाची किमया - मारुती चितमपल्ली
७. औरंगाबाद : महाराष्ट्रातील दिल्ली - सुधीर रसाळ
८. अरण्यातील आत्मभान - महेश एलकुंचवार

९. आपली फुलण्याचीही आणि फुलवण्याचीही क्षमता ओळखू - आ.ह.साळुंखे
१०. शब्दांच्या संध्याकाळी - श्रीनिवास विनायक कुलकर्णी
११. यशवंतरावः साधे, सुसंस्कृत, मायाळू - अनिल अवचट
१२. लेखक व्हायचं तर....जिव्हाळा आणि तटस्थता हवी - दत्ता भगत
१३. सुभाष सानपाची गोष्ट - नागनाथ कोत्तापल्ले

## प्रकल्प लेखन

प्रकल्प लेखनविषयी अध्यापकाने पुढील विषयावर ०.५ श्रेयांकामध्ये मार्गदर्शन करणे अभिप्रेत

- १) ललित गद्य वाङ्मयप्रकारचा परिचय.
- २) ललित लेखसंग्रहाचा परिचय.
- ३) ललित लेखसंग्रहावरील गटचर्चा व त्याचा अहवाल लेखन .
- ४) अभ्यासलेल्या ललित लेखांच्या आधारे एखादा विषय निवडून ललित लेख लिहावा.

टीप: वरीलपैकी कोणताही एक विषय निवडून विद्यार्थ्यांनी २००० शब्दांपर्यंत प्रकल्प पूर्ण करणे.





डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद.

(पर्यायी अभ्यासपत्रिका)

जून २०२२ पासून- नवीन अभ्यासक्रम (CBCS)

बी.ए. प्रथम वर्ष (द्वितीय सत्र)

मराठी (ऐच्छिक) अभ्यासपत्रिका-३ (पर्यायी अभ्यासपत्रिका)

साहित्याचे विशेष अध्ययन : विज्ञानकथा

संकेतांक - CC-1B(3) Marathi

उद्दिष्टे-

- १) विज्ञानकथेची स्वरूप वैशिष्ट्ये लक्षात आणून देणे.
- २) विद्यार्थ्यांमध्ये वैज्ञानिक जाणिवा निर्माण करणे.
- ३) विज्ञानकथेचे आकलन व आस्वादाची क्षमता वाढीला लावणे. तसेच एक रसिक वाचक निर्माण करणे.
- ४) विज्ञानकथेच्या माध्यमातून काल्पनिकता आणि वैज्ञानिकता यातील फरक लक्षात आणून देणे.

अभ्यासक्रम

अभ्यासक्रमासाठी नेमलेल्या कलाकृती

- १) यक्षाची देणगी - जयंत नारळीकर
- २) दुसरा आइनस्टाईन - लक्ष्मण लोंढे

प्रकल्प लेखन

- आवडलेल्या वैज्ञानिक कथासंग्रहाचा परिचय करून द्या.



डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद.

जून २०२२ पासून- नवीन अभ्यासक्रम (CBCS)

बी.ए. प्रथम (द्वितीय सत्र)

अभ्यासपत्रिका ४ थी - ऐच्छिक मराठी

निवडक मराठी कविता (आधुनिक)

संकेतांक - CC-1B(4) Marathi

उद्दिष्टे -

- १) कविता वाङ्मयप्रकाराची माहिती करून देणे.
- २) कवितेच्या माध्यमातून कवितेच्या काळातील स्पंदने व कलावंताची संवेदनशीलता उलगडून दाखवणे.
- ३) कविता या वाङ्मयप्रकाराच्या आकलन व आस्वादाची क्षमता वाढीला लावणे. तसेच एक रसिक वाचक निर्माण करणे.
- ४) मूल्याधारित कवितेच्या माध्यमातून सामाजिक बांधिलकीची मूल्ये रुजविणे.
- ५) काव्याचे प्रवाह, प्रवृत्ती, अभिव्यक्ती यांचा परिचय करून देणे.
- ६) निवडक कवींच्या कवितेतील आशय व अभिव्यक्ती याचे स्वरूप न्याहाळणे.

## अभ्यासक्रम

( प्रत्येकी ५ कविता)

- १) ना. धों. महानोर
- २) अनुराधा पाटील
- ३) इलाही जमादार
- ४) प्रज्ञा दया पवार
- ५) श्रीकांत देशमुख
- ६) सौमित्र
- ७) कल्पना दुधाळ

## प्रकल्प लेखन

प्रकल्प लेखनविषयी अध्यापकाने पुढील विषयावर ०.५ श्रेयांकामध्ये मार्गदर्शन करणे अभिप्रेत

१) कविता वाङ्मय प्रकारचा परिचय करून द्या.

२) कविता संग्रहाचा परिचय.

३) कविता संग्रहावरील गटचर्चा व त्याचा अहवाल लेखन.

४) निवडक २५ कवितांचा हस्तलिखित कवितासंग्रह (तुमच्या अभिप्रायासह) तयार करा.

**टीप :** वरीलपैकी कोणताही एक विषय निवडून विद्यार्थ्यांनी २००० शब्दांपर्यंत प्रकल्प पूर्ण करणे.



डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद.

(पर्यायी अभ्यासपत्रिका)

जून २०२२ पासून- नवीन अभ्यासक्रम (CBCS)

बी.ए. प्रथम वर्ष (द्वितीय सत्र)

मराठी (ऐच्छिक) अभ्यासपत्रिका-४ (पर्यायी अभ्यासपत्रिका)

साहित्याचे विशेष अध्ययन : बालसाहित्य

संकेतांक - CC-1B(4) Marathi

उद्दिष्टे -

- १) बालसाहित्याचे स्वरूप व वैशिष्ट्ये लक्षात आणून देणे.
- २) बालसाहित्याविषयी विद्यार्थ्यांमध्ये गोडी निर्माण करणे.
- ३) बालसाहित्य आकलन व आस्वादाची क्षमता वाढीला लावणे. तसेच एक रसिक वाचक निर्माण करणे.
- ४) बालसाहित्याच्या माध्यमातून बालसाहित्य सृजनाविष्कारास उद्युक्त करणे.


अभ्यासक्रम

अभ्यासक्रमासाठी नेमलेल्या कलाकृती

- १) शिवाची वाडी - महावीर जोधळे (बाल कादंबरी)
- २) मिशी हरवली आहे - सूर्यकांत सराफ (बालनाट्य)
- ३) भारतीय श्रेष्ठ बालकथा - संपादक - बाबा भांड

प्रकल्प लेखन

- आवडलेल्या बाल साहित्यकृतीचा परिचय करून द्या.

  
डॉ. दासू वैद्य.




**DR. BABASAHEB AMBEDKAR MARATHWADA  
UNIVERSITY, AURANGABAD.**



**Syllabus of  
Subject: Marathi**

**B.Com. I Year  
Semester - I & II**

  
Dean  
Faculty of Humanities,  
Dr. Babasaheb Ambedkar Marathwada  
University, Aurangabad. .

**Effective from 2022-2023 Year**



डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद.

जून २०२२ पासून- नवीन अभ्यासक्रम (CBCS)  
बी.कॉम.प्रथम वर्ष (प्रथम सत्र) अभ्यासपत्रिका-१

भारतीय भाषा : मराठी (भाग -१)

संकेतांक- MAR - 01

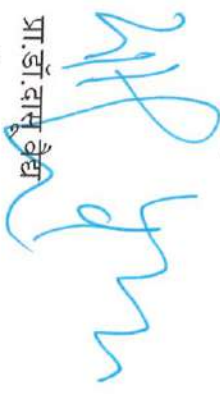
तासिका - ५७ तास - ४५ श्रेयांक - ०३ गुण - १०० (लेखी परीक्षा -८० प्रात्यक्षिक-२०)

अ. क्र.	घटक	अभ्यासक्रमाचा तपशील	श्रेयांक	तास
१.	काव्य विभाग	१. वचन - महात्मा बसवेश्वर २. इये मन्हाठिचिये नगरी - संत ज्ञानेश्वर ३. अबधा रंग एक झाला - संत सोयराबाई ४. पतित तू पावना - संत कान्होपात्रा ५. बाजार - संत एकनाथ ६. चिंत शुद्ध तरी - संत तुकाराम ७. चंदनाचा संग लाथलिया वृक्ष - संत बहिणाबाई ८. फटका - अनंत फंदी ९. तयास मानव म्हणावे का ? - सावित्रीबाई फुले १०. आम्ही कोण ? - केशवसुत ११. देव दिसला, देव कोठे ? - बहिणाबाई चौधरी १२. फुलराणी - बालकवी	०१	१५
२.	गद्य विभाग	१. रंभणायाचा दृष्टांत - केशीराज बास २. मराठी ग्रंथकार सभेस पत्र - महात्मा फुले ३. स्त्री-पुरुष तुलना - ताराबाई शिंदे ४. शील व सौजन्य - डॉ. बाबासाहेब आंबेडकर	०१	१६

		५. कला व जीवन - साने गुरुजी ६. डोळे - अण्णा भाऊ साठे		
३.	उपयोजित मराठी	१. लेखन विषयक नियम २. विरामचिन्हे ३. बर्लांग लेखन ४. गीत लेखन ५. पत्रलेखन ६. जाहिरात लेखन ७. ई-मेल ८. निमंत्रण पत्रिका	०.५	०.७
४.	प्रकल्प / प्रात्यक्षिक / स्वाध्याय	अध्यापकांनी विद्यार्थ्यांच्या कौशल्यांना उपयुक्त असे विषय प्रकल्प / प्रात्यक्षिक / स्वाध्यायाकारिता मार्गदर्शन करणे अपेक्षित आहे.	०.५	०.७
		एकूण	०३	४५

अध्यक्ष मराठी भाषा अभ्यासमंडळ

प्रा.डॉ.दास वैद्य





डॉ. बाबासाहेब आंबेडकर ताराठवाडा विद्यापीठ, औरंगाबाद.

जून २०२२ पासून - नवीन अभ्यासक्रम (CBCS)

बी.कॉम.प्रथम वर्ष (द्वितीय सत्र) अभ्यासपत्रिका -२

भारतीय भाषा : मराठी (भाग -२)

संकेतांक - MAR - 02

तासिका - ५७ तास - ४५ श्रेयांक - ०३ गुण - १०० (लेखी परीक्षा -८० प्रात्यक्षिक-२०)

अ. क्र.	घटक	अभ्यासक्रमाचा तपशील	श्रेयांक	तास
१.	काव्य विभाग	१. या झोपडीत माझ्या - राष्ट्रसंत तुकडोजी महाराज २. प्रार्थना - कुसुमाग्रज ३. तुझ्या मताचे - वामनदादा कर्डक ४. सांगा कसं जगायचं ? - मंगेश पाडगावकर ५. आल्या जुळून तारा - सुहासिनी इर्लेकर ६. समाधान - फ. म. शहाजिंदे ७. जीवनाचा शोध घेताना - वाहरू सोनवणे ८. शिकवण - नारायण कुलकर्णी कवठेकर ९. कळा सोसताना - जगदीश कदम १०. जीवाचा आटापिटा - लोकनाथ यशवंत ११. बाप म्हणायचा - इंद्रजित भालेराव १२. युद्ध - नीरजा	०१	१५
२.	गाद्य विभाग	१. ज्ञात - अज्ञात अहिल्याबाई होळकर - विनया खडपेकर २. खोप - रा. रं. बोराडे ३. विनदरदी - भीमराव वाघचौरे	०१	१६

		४. क्लोरॉफिल - रेखा बैजल ५. निश्चल डोंगरगाव, प्रेमळ माणसं - बा.भो.शास्त्री ६. लॉरी बेकर - अतुल देऊळगावकर		
३.	उपयोजित मराठी	१. पुस्तक परीक्षण २. नाट्य परीक्षण (प्रयोगिक रूप) ३. पटकथा ४. जाहिरात लेखन ५. माहिती पत्रक ६. निविदा ७. बातमी लेखन ८. अहवाल लेखन	०.५	०७
४.	प्रकल्प / प्रात्यक्षिक / स्वाध्याय	अध्यापकांनी विद्यार्थ्यांच्या कौशल्यांना उपयुक्त असे विषय प्रकल्प / प्रात्यक्षिक / स्वाध्यायाकारिता मार्गदर्शन करणे अपेक्षित आहे.	०.५	०७
		एकूण	०३	४५

प्रा. डॉ. दासू वैद्य  
 अध्यक्ष मराठी भाषा अभ्यासमंडळ





## डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद.

जून २०२२ पासून- नवीन अभ्यासक्रम (CBCS)

बी.कॉम.प्रथम वर्ष (प्रथम सत्र) अभ्यासपत्रिका -१

भारतीय भाषा : मराठी (भाग -१)

उद्दिष्टे -

१. मराठीतील वैविध्यपूर्ण सृजनाविष्काराचा आस्वाद घेण्याची अभिरूची निर्माण करून कलाकृतील सौंदर्यस्थळाचा शोध घेण्याची वृत्ती वाढीस लावणे.
२. विद्यार्थ्यांमध्ये नीतिमूल्यांचे व वैज्ञानिक जाणिवांचे संस्करण करणे.
३. राष्ट्रीय एकात्मता व बंधुभाव वाढीस लागण्यास मदत करणे.
४. निवडक गद्य व काव्य यांच्या अनुषंगाने मराठी साहित्यातील विविध प्रवाहांचा परिचय करून देणे.
५. उपयोजित मराठीच्या माध्यमातून रोजगाराभिमुख शिक्षण देऊन व्यावसायिक वृत्ती वाढविणे व स्वावलंबी बनवण्यास मदत करणे.
६. भाषिक लेखनाचा स्तर उंचावण्यास मदत करणे.
७. सृजनासाठी विद्यार्थ्यांना उद्युक्त करणे.

### काव्य विभाग

१. वचन - महात्मा बसवेश्वर
२. इये मन्हाठिचिये नगरी - संत ज्ञानेश्वर
३. अवघा रंग एक झाला - संत सोयराबाई
४. पतित तू पावना - संत कान्होपात्रा
५. बाजार - संत एकनाथ
६. चित्त शुद्ध तरी - संत तुकाराम
७. चंदनाचा संग लाधलिया वृक्ष - संत बहिणाबाई
८. फटका - अनंत फंदी
९. तयास मानव म्हणावे का ? - सावित्रीबाई फुले
१०. आम्ही कोण ? - केशवसुत

११. देव दिसला, देव कोठे ? - बहिणाबाई चौधरी

१२. फुलराणी - बालकवी

### गद्य विभाग

१. रुंभणेयाचा दृष्टांत - केशीराज बास
२. मराठी ग्रंथकार सभेस पत्र - महात्मा फुले
३. स्त्री- पुरुष तुलना - ताराबाई शिंदे
४. शील व सौजन्य - डॉ. बाबासाहेब आंबेडकर
५. कला व जीवन - साने गुरुजी
६. डोळे - अण्णा भाऊ साठे

### उपयोजित मराठी विभाग

- |                    |                     |
|--------------------|---------------------|
| १. लेखन विषयक नियम | ५. पत्रलेखन         |
| २. विरामचिन्हे     | ६. जाहिरात लेखन     |
| ३. ब्लॉग लेखन      | ७. ई-मेल            |
| ४. गीत लेखन        | ८. निमंत्रण पत्रिका |

### प्रकल्प लेखन

- |                      |  |
|----------------------|--|
| १. शिबिरातील रोजनिशी | ३. मुलाखत (कामगार, छोटे व्यावसायिक, रोजंदारीवरील कामगार) |
| २. प्रवास नोंदी      | ४. ओवी संकलन व विश्लेषण                                  |



डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद.

जून २०२२ पासून- नवीन अभ्यासक्रम (CBCS)

बी.कॉम.प्रथम वर्ष (दुसरे सत्र) अभ्यासपत्रिका -२

भारतीय भाषा : मराठी (भाग -२)

### काव्य विभाग

१. या झोपडीत माझ्या - राष्ट्रसत तुकडोजी महाराज
२. प्रार्थना - कुसुमाग्रज
३. तुझ्या मताचे - वामनदादा कर्डक
४. सांगा कसं जगायचं ? - मंगेश पाडगावकर
५. आल्या जुळून तारा - सुहासिनी इर्लेकर
६. समाधान - फ. म. शहाजिंदे
७. जीवनाचा शोध घेताना - वाहरू सोनवणे
८. शिकवण - नारायण कुलकर्णी कवठेकर
९. कळा सोसताना - जगदीश कदम
१०. जीवाचा आटापिटा - लोकनाथ यशवंत
११. बाप म्हणायचा - इंद्रजित भालेराव
१२. युद्ध - नीरजा

### गद्य विभाग

१. ज्ञात - अज्ञात अहिल्याबाई होळकर  
- विनया खडपेकर
२. खोप - रा. रं. बोराडे
३. बिनदरदी - भीमराव वाघचौरे
४. क्लोरोफिल - रेखा बैजल
५. निश्चल डोंगरगाव, प्रेमळ माणसं - बा.भो.शास्त्री
६. लॉरी बेकर - अतुल देऊळगावकर

## उपयोजित मराठी

- |                                 |                 |
|---------------------------------|-----------------|
| १. पुस्तक परीक्षण               | ५. माहिती पत्रक |
| २. नाट्य परीक्षण (प्रयोगिक रूप) | ६. निविदा       |
| ३. पटकथा                        | ७. बातमी लेखन   |
| ४. जाहिरात लेखन                 | ८. अहवाल लेखन   |

## प्रकल्प लेखन

प्रकल्प लेखनाच्या संदर्भात पुढील विषयाच्या अनुषंगाने ०१ श्रेयांकात अध्यापकाने मार्गदर्शन करणे अभिप्रेत .

- १) म्हणी संकलन व विश्लेषण.
- २) घोषवाक्य. (वेगवेगळ्या विषयावरील दहा घोषवाक्य तयार करून विश्लेषण करणे)
- ३) संवादलेखन मुलाखत. (साहित्यिक, लोकप्रतिनिधी, प्रशासक, कर्तबगार व्यक्ती)

नोट : प्रकल्प लेखनासाठी प्रत्येक सत्रात उपनिर्देशित विषयातील एखादा विषय निवडून २००० शब्द मर्यादित लिहावा.

## प्रश्नपत्रिकेचे स्वरूप (८० गुण)

सूचना :

- पहिला प्रश्न सोडविणे अनिवार्य

प्रश्न १ला : १) बहुपर्यायी - २० गुण

प्रश्न २ रा : पुढील प्रश्नांची सविस्तर उत्तरे लिहा. (कोणतेही तीन) - १५ गुण

प्रश्न ३रा : पुढील प्रश्नांची सविस्तर उत्तरे लिहा. (कोणतेही तीन) - १५ गुण

प्रश्न ४था : टीपा लिहा. (कोणतेही तीन) - १५ गुण

प्रश्न ५ वा : संकल्पना स्पष्ट करा. (कोणतेही तीन) - १५ गुण

डा. दासू वैद्य