

Dr. Ghali College, Gadhinglaj

Academic Year-2021-2022

Programme Outcomes [UG]

| Sr. No. | Degree Programme | Programme Outcomes |
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| 1. | B.A. | <p>Student seeking admission for B.A. programme is expected to imbue with following quality which helps them in their future life to achieve the expected goals.</p> <ol style="list-style-type: none">Realization of human values.Sense of social service.Responsible and dutiful citizen.Critical temperCreative ability. |
| 2 | B.Com. | <p>Students who have taken admission to this program of B.Com are expected to concentrate upon the following outcomes.</p> <ol style="list-style-type: none">Commercial sense.Develop managerial skills.Entrepreneurial skill.Budgeting policy.Human Resources Management.Develop Numerical ability.Well versed with business regularity framework. |
| 3. | B.Sc. | <p>Students taking admission to this program of B.Sc. are expected to get equipped with following outcomes:</p> <ol style="list-style-type: none">Explaining the basic scientific principles and methods.Inculcating scientific thinking and awareness among the student.Ability to communicate with others in regional language and in English.Ability to handle the unexpected situation by critically analyzing the problem.Understanding the issues related to nature and environmental contexts and sustainable development. |

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| 4 | B.B.A. | <p>Students who take admission to the program of B.B.A. are expected to acquire the following outcomes:-</p> <ol style="list-style-type: none"> a. Acquire fundamental education in management and business principles. b. Acquire professional skills as a management profession. C. Deep understanding and development of important business skills such as leadership communication skills, critical thinking and decision making. d. Buildup self confidence and competency to take up self employable business ventures. e. Inculcate Entrepreneurship skills. |
| | B.Com. (IT) | <ol style="list-style-type: none"> 1. To introduce the basic knowledge of Computers among students 2. To introduce the computer software and hardware to the students. 3. To develop the skill in handling of application software's to the students. 4. To enable the students to get a basic & proper knowledge in the field of Information Technology. |

Dr. Ghali College Gadhinglaj

Programme Specific Outcomes

| Sr. No. | Degree Programme | Programme Specific Outcomes |
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| 1. | B.A. (MARATHI) | <ol style="list-style-type: none">a. Creating an interest in literature.b. Availing the job opportunities in translation, transformation and media.c. Developing language.d. Increasing the critical attitude about literary studies.e. Imbuing the literary research attitude. |
| 2 | B.A. (HINDI) | <ol style="list-style-type: none">1. Developing reading, writing, speaking and listening skills.2. Availing the job opportunities in translation.3. Increasing the critical attitude about literary writing.4. Creating an interest in literature.5. Imbuing the literary research attitude. |
| 3. | B.A. (ENGLISH) | <p>A student, who has taken admission into this program of B.A with English as specific subject of study, is expected to target on following outcomes.</p> <ol style="list-style-type: none">a. Basic knowledge of English as Language.b. Major knowledge of English as Literature.c. Basic knowledge of English Grammar.d. Critical study of English Literary studies.e. Relation between pleasure of literature and real life. |
| 4 | B.A. (ECONOMICS) | <ol style="list-style-type: none">a. Understanding how different degrees of competition in a market affect pricing and output.b. Understanding the efficiency and equity implications of market interference, including government policy.c. Developing research knowledge in economics.d. Developing the skill of data collection & use of sampling techniques in research.e. Developing the knowledge about theories of |

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| | | <p>economic growth & Development and issues of economic planning.</p> <p>f. Creating awareness about changing macro-economic policies and theories.</p> |
| 5. | (B.A.) SOCIOLOGY | <p>a) Acquaintance with social transactions, social relations, social formations, social control, social values and culture.</p> <p>b) Knowing the significance of social institution, caste system, religion, nationalism, integrity, equality and justice.</p> <p>c) Getting the knowledge of the works of social reformers all over the nation.</p> <p>d) Ability to follow new stream of thoughts and theories of social thinkers.</p> <p>e) Getting the deep knowledge about various social groups like tribal community, women bulk etc.</p> <p>f) Ability to deal with research in sociology.</p> |
| 6. | (B.A.) (POLITICAL SCIENCE) | <ol style="list-style-type: none"> 1. Knowledge about political system of the nation. 2. Study of national and international political affairs. 3. Study from competitive examination point of view. 4. Understanding the government mechanism, its functions, duties and responsibilities. 5. Creating appropriate and efficient political leaders. 6. Getting knowledge of political law. 7. Getting knowledge of Constitution of India. |
| 7. | (B.A.) PSYCHOLOGY | <ol style="list-style-type: none"> 1. Enhancement of stress management skills. 2. Enhancement of coping skill with different problems in life. 3. Enabling to measure attitude, aptitude, interest, adjustment, skills etc. within the people. 4. Introduction to counseling process and techniques. 5. Illustration of mental disorder and treatment. 6. |

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| 8. | (B.COM) ACCOUNTANCY | <ol style="list-style-type: none"> 1. Understanding basic concepts of accountancy, principles of accountancy and accounting cycle to maintain accounts of trading & non-trading organizations. 2. Getting acquainted with the procedure of preparation of income statements, retained earnings, balance sheet and statement of cash flows which are required for external users and more useful to managers for managerial decisionmaking. 3. Inculcating different skills for analysis and interpretation of financial data to understand financial health of an organization and ensure that resources are being used to achieve the organizations objectives. 4. Developing knowledge about cost ascertainment and fixation of selling price and cost control. 4. Obtaining the knowledge of various provisions of Income Tax Act and <u>their</u> applications in computations of taxable income of an individual under different heads of income. 5. Getting working knowledge of generally accepted auditing procedure, techniques and skills. |
| 9. | B.Sc. (CHEMISTRY) | <ol style="list-style-type: none"> 1. Creating interest in environmental issue. 2. Increasing working knowledge of instruments. 3. Obtaining the knowledge of pharmaceutical tables 4. Social awareness about the quality of water. 5. Increasing the practical skill of the students 6. Awareness about plastic garbage. |
| 10. | B.Sc. (MICROBIOLOGY) | <ol style="list-style-type: none"> 1. Understanding about cultivating the pure bacterial cultures 2. Ability to use laboratory instruments like spectrophotometer, colorimeter, LAF, PH meter, Electrophoresis, Compound microscope, Centrifuge. 3. Preparing for a career in a pharmacy and medical related business or industries. 4. Ability to plan the small-to-mid-size laboratories and industries of their own. 5. Effectively utilizing the knowledge of |

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| | | <p>microorganisms to develop sustainable solutions to current and future environmental problems.</p> <p>6 Developing and implementing solution based systems and/or processes that address issues and/or improve existing systems within in a microorganism based industries.</p> |
| 11. | B.Sc. (Computer Science) | <p>A. Effectively communicating computing concepts and solutions to bridge the gap between computing industry experts and business leaders to create and initiate innovation.</p> <p>B. Ability to use approximately system design notations and apply system design engineering process in order to design, plan and implement software systems.</p> <p>C. Preparing for a career in an information technology oriented business or industry or for graduate study in computer science or other scientific or technical fields.</p> <p>D. Ability to complete successfully to program small –to–mid–size programs on their own.</p> <p>E. Effectively utilizing the knowledge of computing principles and mathematics theory to develop sustainable solutions to current and future computing problems.</p> <p>F. Developing and implementing solution based system and/or process that address issues and/or improve existing systems within a computing based industry.</p> |
| 12. | B.Sc. Mathematics | <p>1 Ability to calculate and reason to design complex and critical financial models for Bank and Insurance Companies.</p> <p>2 Ability to understand both concrete and abstract problems.</p> <p>3 Ability to make critical observations.</p> <p>4 Ability to accurately organize, analyze and interpret data.</p> <p>5 Develop the mathematical logic which</p> |

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| 13. | B.Sc. (STATISTICS) | <ol style="list-style-type: none"> 1. Application of statistics in various walks of life. 2. Ability to apply various statistical tools to research problem. 3. Understanding how to collect, present, analyze and interpret the data. 4. Ability to analyze the data by using MS-Excel. 5. Knowing the statistical organization in India and Abroad. 6. Ability to build statistical knowledge. 7. Application of various distributions to real life situation. |
| 14. | B.Sc. (PHYSICS) | <ol style="list-style-type: none"> 1 Identifying and describing physical systems with their professional knowledge. 2 Developing their scientific intuition, ability and techniques to tackle problems either theoretical or experimental in nature. 3 Knowledge of general physics like sound, wave, friction, forces and laws of motion and use of mathematics. 4. Information of electrical current, circuits, construction and their use. 5. Learning about concepts of nuclear physics and nuclear energies and importance of their use for mankind. 6. Knowing about the light and its importance in life, its characteristics, properties and use in various instruments |
| 15. | B.Sc. BOTANY | <ol style="list-style-type: none"> 1. Identifying different resources helpful for human life. 2. Identifying different groups of plants 3. Acquiring knowledge about inheritance, biochemical and metabolic activities. 4. Development of horticultural skill. 5. Acquiring knowledge about importance of environment. |
| 16. | B. Sc. ZOOLOGY | <ol style="list-style-type: none"> 1. Improving the knowledge about criteria for animal classification. 2. Study of salient features of chordates and non- |

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| | | <p>chordates.</p> <ol style="list-style-type: none"> 3. Improving the knowledge of animals about their special adaptations and evolutionary relationship. 4. Scientific study of their nature of habitat with environment. 5. Improving information about external morphology and anatomy of animals including human being. |
| 17. | BBA | <p>Students who take admission to the program of B.B.A. are expected to acquire the following outcomes:-</p> <ol style="list-style-type: none"> A. Acquire fundamental education in management and business principles. B. Acquire professional skills as a management profession. C. Deep understanding and development of important business skills such as leadership communication skills, critical thinking and decision making. D. Buildup self confidence and competency to take up self employable business ventures. E. Inculcate Entrepreneurship skills. |
| 18. | B.Com. IT | <ol style="list-style-type: none"> 1. The course will offer different job opportunities in IT sector. 1. The course will help to identify software and networking technology for business. 2. The course will help in identifying different markets and its pricing practices. |

Dr. Ghali College Gadhinglaj
Course Outcomes

| Sr. No. | Degree Programme | Year of Programme | Course Outcomes |
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| 1 | B.A. MARATHI | First Year (CBCS) | <p>(CGE-1) (Sem. 1 and 2) Shabdasanhita:</p> <ol style="list-style-type: none"> 1) To create the interest among the students about Marathi literature and Language 2) To aware students about national unity, mother tounge, higher human values and ethics 3) To develop their conversation skills through essay competition 4) To avail the opportunities of employment by developing skills of listening, reading, speaking and writing 5) To develop the skills of event management |
| | | | <p>(DSCA-1) (Course-1 Sem 1 & 2) Aksharbandh:</p> <ol style="list-style-type: none"> 1) To familiar with Marathi literature Authors and Poets 2) To prepare students for competitive exam and personality development 3) To inculcate skill of film production profession |
| | | Second Year (CBCS) | <p>(DSC-C1) Drama</p> <ol style="list-style-type: none"> 1. To comprehend the genre of drama. 2. To promote the students for acquiring knowledge of enacting drama 3. To boost national unity, courtesy culture and brotherhood. 4. To create the employment by conversation skill. |
| | | | <p>(DSC-C2) Kavyagandh</p> <ol style="list-style-type: none"> 1. To introduce Marathi tradition and various flows. 2. To study various poetic devices. 3. To nurture the relationship between |

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| | | | <p>between man and society expressed in the work of art.</p> <p>4.To inculcate composing poetry through practicals.</p> |
| | | | <p>(DSC –C25) Autobiography</p> <p>1. To introduce students to autobiography.</p> <p>2. To study autobiography and other genre.</p> <p>3. To understand autobiography and its relevance to the contemporary era.</p> |
| | | | <p>(DSC-C26) Novel</p> <p>1. To introduce novel.</p> <p>2. To understand contemporary novel and conflict in them.</p> <p>3. To aware human values through novel.</p> <p>4. To inculcate report writing.</p> <p>5. To make report writing of picnics.</p> |
| | | Third Year (CBCS) | <p style="text-align: right;">साहित्यविचार</p> <p>उद्दिष्टे :</p> <p>१. पौराणिक, पाश्चात्य व आधुनिक भारतीय साहित्यशास्त्राचे स्वरूप समजून घेणे.</p> <p>२. ललित व ललितेतर साहित्याचे स्वरूप समजून घेणे.</p> <p>३. साहित्य प्रयोजनांचे आकलन करून घेणे.</p> <p>४. साहित्याची निर्मितप्रक्रिया आणि त्याचे स्वरूप आकलन करून घेणे.</p> |
| | | | <p style="text-align: right;">मराठी भाषा व भाषाविज्ञान</p> <p>उद्दिष्टे :</p> <p>१. भाषोत्पत्तीचा अभ्यास करणे.</p> <p>२. भाषाविज्ञानाचा परिचय करून घेणे.</p> <p>३. भाषाविज्ञान आणि मराठी भाषा यांचा सहसंबंध जाणून घेणे.</p> <p>४. स्वनविचार, रूपविचार व वाक्यविचारांचा परिचय करून घेणे.</p> |
| | | | <p style="text-align: right;">मध्ययुगीन मराठी वाङ्मयाचा इतिहास</p> <p>उद्दिष्टे :</p> <p>१. मध्ययुगीन मराठी वाङ्मयाचा कालिक अभ्यास करणे.</p> <p>२. मध्ययुगीन मराठी वाङ्मयाचा स्थूल परिचय करून घेणे.</p> <p>३. मध्ययुगीन मराठी वाङ्मयाचे स्वरूप, वैशिष्ट्ये अभ्यासणे.</p> |

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| | | | <p>मराठी भाषा व अर्थार्जनाच्या संधी उद्दिष्टे :</p> <ol style="list-style-type: none"> १. सर्जनशील लेखनप्रक्रिया समजून घेणे. २. वैचारिक लेखनाचे स्वरूप अभ्यासणे. ३. शोधनिबंध व प्रकल्पलेखन कौशल्य समजून घेणे. ४. आंतरजालावरील मराठी लेखनपद्धती अभ्यासणे. |
| | | | <p>वाङ्मय प्रवाहाचे अध्ययन : मध्ययुगीन उद्दिष्टे :</p> <ol style="list-style-type: none"> १. मध्ययुगीन महाराष्ट्र व महानुभाव पंथ यांचा परिचय करून घेणे. २. महानुभाव वाङ्मयाच्या प्रेरणा व स्वरूप समजून घेणे. ३. महानुभावीय ग्रंथकार केसोबास यांचा परिचय करून घेणे. ४. दृष्टांतपाठातील आशयस्वरूप व अभिव्यक्ती विशेष अभ्यासणे. |
| 2 | B.A. (Hindi) | First Year (CBCS) | <p>Paper- Modern Hindi Literature</p> <ol style="list-style-type: none"> 1. To explain the ups and down of life through poetry 2. To direct life through various stories 3. To publish poems in the college magazine by developing poetic interest among the students |
| | | Second Year (CBCS) | <p>Paper- Sahitya Vividha</p> <ol style="list-style-type: none"> 1.To familiar with various lives of writers 2.To understand various aspects of life through different stories 3.To acquaint with male dominancy and family 4.To learn different elements to understand healthy family life 5. To familiar with various disciplines in Hindi Literature |
| | | | <p>Paper- Syllabus : Modern and Mediaeval Poetry</p> <ol style="list-style-type: none"> 1. To create interest among students about Archaic Poetry. |

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| | | | <p>2. To explain the relevance of mediaeval poetry to the students</p> <p>3. To interpret some problems of mediaeval era.</p> <p>4. To aware the women problem of family Independence, self-reliance etc.</p> <p>5. To acquaint with the dirty politics through political drama</p> <p>6. To write stories</p> <p>7. To write dialogues</p> <p>8. To participate in play</p> <p>9. To study comparatively</p> |
| | | Third Year (CBCS) | <p>विधा विशेष का अध्ययन</p> <p>उद्देश्य :</p> <p>1. नाटककार कुसुम कुमार की बहुमुखी प्रतिभा से परिचित कराना।</p> <p>2. नाटककार कुसुम कुमार के साहित्य से परिचित कराना।</p> <p>3. नाटककार कुसुम कुमार की विचारधारा से परिचित कराना।</p> |
| | | | <p>साहित्यशास्त्र</p> <p>उद्देश्य :</p> <p>1) साहित्य निर्मिति की प्रक्रिया का बोध कराना।</p> <p>2) साहित्य / काव्य के विभिन्न अंगों, भेदों से परिचित कराना।</p> <p>3) साहित्य / काव्य की नवीन विधाओं से परिचित कराना।</p> <p>4) समीक्षा सिद्धांतों से परिचित कराना।</p> |
| | | | <p>हिंदी साहित्य का इतिहास</p> <p>उद्देश्य :</p> <p>1. हिंदी भाषा तथा साहित्य की विकास यात्रा से अवगत कराना।</p> <p>2. हिंदी साहित्य की विकास यात्रा में हिंदी भाषा के माध्यम से अलग-अलग विचारधारा और प्रवृत्तियों से अवगत कराना।</p> <p>3. छात्रों में साहित्य समझने तथा उसका आस्वादन, मूल्यांकन करने की दृष्टि को बढ़ाना।</p> |
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| | | | <p>उद्देश्य :</p> <ol style="list-style-type: none"> 1.हिंदी में कार्य करने की रुचि विकसित करना। 2.रोजगार उन्मुख शिक्षा एवं कौशल्य प्रदान करना 3.पारिभाषिक शब्दावली से परिचित करना। 4.सरकारी पत्राचार के स्वरूप का परिचय कराना। |
| | | | <p>भाषा विज्ञान और हिंदी भाषा</p> <p>उद्देश्य :</p> <ol style="list-style-type: none"> 1) भाषा के विविध रूपों का परिचय कराना । 2) भाषा विज्ञान का सामान्य परिचय कराना। 3) हिंदी भाषा एवं लिपि के उद्भव और विकास का परिचय कराना 4) भाषा की शुद्धता के प्रति छात्रों को जागृत करना । |
| 3 | B.A. English | First Year (CBCS) | <p>Compulsory English (Paper I): Ability Enhancement Compulsory Course:</p> <ol style="list-style-type: none"> 1) To acquaint students with four skills of language 2) To make them know about basic structure of English Grammar 3) To develop interest among students for spoken English 4) To create positive approach among students towards communicative English 5) To develop personality of students |
| | | | <p>Compulsory English (Paper II): Ability Enhancement Compulsory Course:</p> <ol style="list-style-type: none"> 1)Acquaintance with four skills of language 2)Knowing basic structure of English Grammar 3) Developing interest among students towards spoken English 4) Creating Positive approach towards Communicative English 5) Developing personality of students with knowledge of English language |
| | | | <p>Modern Indian Writing in English Translation (Sem I & II):</p> <p><u>Optional English Paper I &II :</u></p> <ol style="list-style-type: none"> 1) Knowledge of Translation literature |

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| | | | <p>2) Knowledge of short story in Translation</p> <p>3) Creating interest in studying poetry in translation</p> <p>4) Developing literacy approach</p> <p>5) Acquainting with literacy forms</p> <p>6)</p> |
| | | Second Year (CBCS) | <p>Literature and Cinema</p> <p>1. To know theory of Application, interpretation, Transformation and Transposition.</p> <p>2. To understand the influential relation between play and film, as well as novel and film.</p> <p>3. To study play the comedy of Errors and novel five points someone as well their filming into ‘Anoor’ and ‘Three Idiots’</p> |
| | | Third Year (CBCS) | <p>(Optional & special English)</p> <p>1. Enjoyment of literature</p> <p>2. Pleasure of literacy forms such as novel, poem, play, and essay.</p> <p>3. Critical understanding of literature.</p> <p>4. Relation between literature and real life.</p> <p>5. Emotional development of human mind.</p> |
| 4 | B.A. (Economics) | First Year (CBCS) | <p>Indian Economy</p> <ul style="list-style-type: none"> □ Understanding characteristics, features, structural changes in Indian Economy. □ Comprehension of the nature and impact of New Economic Reforms on the Indian Economy. □ Knowing the problems of unemployment, poverty, rising economic and social inequality and problems of regional imbalances in India. □ Evaluating the changing role of agriculture, industrial and service sector and foreign sector in Indian Economy. □ Measuring the problems and prospects of cottage and small scale |

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| | | | <p>industries, and industrial sicknesses.</p> <ul style="list-style-type: none"> □ Measuring the growth, volume, composition and direction of India's foreign trade and capital inflow since 1991. |
| | | Second Year (CBCS) | <p>Banks and Financial Markets</p> <ul style="list-style-type: none"> □ Understanding the meaning, function and role of commercial banking. □ Comprehending the procedure of an account opening, operating and closing. □ Knowing the structure, function and □ Judging the progress of financial inclusion. □ Evaluating the importance, characteristics and components of the financial market. □ Understanding the role and types of development banks and Non banking financial intermediaries. □ Realizing the banking reforms and Basel norms-I and II. □ Identifying recent trends in Indian Banking such as E- Banking, MICR Clearing, ATMs, Credit cards and Debit Cards, Travelers Cheques, Gift Cheques, Demat Account. |
| | | | <p>Macro Economics</p> <ul style="list-style-type: none"> □ Identifying the basic concepts and theories of Macroeconomics. □ Awareness about changing macro economics policies and theories. □ Understanding various concepts such as; GDP, GNP NNP, Personal Income, Disposable Income, Per Capita Income, and National Income. □ Identifying the factors determining gross domestic product, employment, |

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| | | | <p>the general level of prices, and interest rates.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Realizing the law of markets, consumption function and investment function. <input type="checkbox"/> Judging the role of fiscal policy and monetary policy in a Developing economy. <input type="checkbox"/> Knowing features, phases and theories of trade cycles. <input type="checkbox"/> Evaluating types, merits and demerits of taxes. <input type="checkbox"/> Comprehending the role of public finance in developing economy. |
| | | Third Year CBCS | <p>Principles of Micro Economics I & II Students will be able to understand</p> <ul style="list-style-type: none"> <input type="checkbox"/> Explain what economics is & why it is important <input type="checkbox"/> Understand consumer decision making & consumer behavior <input type="checkbox"/> Define the concept of utility & satisfaction <input type="checkbox"/> Understand producer decision making & producer behavior <input type="checkbox"/> Identify the market structure <input type="checkbox"/> Understand the factor pricing |
| | | | <p>Research Methodology in Economics –I & II</p> <ul style="list-style-type: none"> <input type="checkbox"/> Select & define appropriate research problem and parameters <input type="checkbox"/> Understanding the basic framework of research process. <input type="checkbox"/> Defining various research designs and techniques. <input type="checkbox"/> Identifying various sources of information for literature review and data collection. <input type="checkbox"/> Discussing the ethical dimensions of conducting applied research. <input type="checkbox"/> Write a research report & thesis <input type="checkbox"/> Write a research proposal |

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| | | | <p>History of Economic Thoughts I & II</p> <ul style="list-style-type: none"> <input type="checkbox"/> Acquaintance with the economic thoughts of Classical, Nationalist and Socialist Thinkers. <input type="checkbox"/> Judging the development of economic thoughts. <input type="checkbox"/> Realizing the economic concepts and theories of Neo-classicals and Indian thinkers. <input type="checkbox"/> Evaluating the development of Indian economic thoughts. |
| | | | <p>International Economics I & II</p> <ul style="list-style-type: none"> <input type="checkbox"/> Explain international trade <input type="checkbox"/> Understand the measurement of gains from international trade <input type="checkbox"/> Measure the terms of trade <input type="checkbox"/> Evaluating various types of exchange rates and its merits and demerits. <input type="checkbox"/> Discussing the types and effects of tariffs and quotas. <input type="checkbox"/> Judging the function, merits and demerits of Foreign Capital, and International Corporation (IMF, IBRD, WTO and SAARC). <input type="checkbox"/> Realizing the volume, composition and direction of Balance of trade and Balance of payments. |
| 5 | B.A. (Sociology) | First Year (CBCS) | <p>Paper No. I – INTRODUCTION TO SOCIOLOGY</p> <ol style="list-style-type: none"> 1. To introduce the students of basic concept of Sociology, subject matter & Development of Sociology. 2. To understand the brief knowledge of Social Interaction & Social Structure like Status & Role, Norms & Values. 3. To understand the brief knowledge of society, & Social Institution. |

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| | | | 4. The student can able to understand the concept of culture & socialization. |
| | | | <p>Paper No. II – APPLIED SOCIOLOGY</p> <ol style="list-style-type: none"> 1. The students will understand the theoretical approaches in Sociology. 2. The students can understand the co-relation of society & mass media & their impact on society. 3. The students can able to understand the concept of Globalization & Modernization & the Social change. 4. The students can able to understand the career opportunities in the Sociology. |
| | | | <p>Scientific Method (Compulsory subject)</p> <ol style="list-style-type: none"> 1. To implement of the scientific approach in the student. 2. To introduce the various scientific methods in the students. 3. To develop the research attitude in student 4. To enhance scientific attitude among the students. |
| | | Second Year (CBCS) | <p>Semester III:- Paper No. III SOCIAL ISSUES IN INDIA</p> <ol style="list-style-type: none"> 1. To acquaint the students to major social problems & challenges the problem of the Indian society. 2. Awareness created in the student of contemporary social problems in India. 3. To understand the Socio-Legal Issues. |

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| | | | <p style="text-align: center;"><u>Paper No. IV</u></p> <p style="text-align: center;">Social Movements in India</p> <ol style="list-style-type: none"> 1. To acquaint the student to concept, element & Importance of Social Movement. 2. To understand the various social movements & its impact on society. 3. To draw attention to the variety of ideas & debates about India. |
| | | | <p style="text-align: center;">IDS PAPER I : SOCIAL REFORMS IN INDIA</p> <p>Course Outcomes :</p> <ol style="list-style-type: none"> 1. Understand the salient features of prominent socio-religious reform movements. 2. Explain the thought and work of Mahatma Phule for radical transformation of Indian Society. 3. Know the measures taken by Rajashri Shah Maharaj for emancipation of lower classes and women. 4. Understand the thoughts of Ambedkar on the annihilation of the caste system and untouchability in India. 5. Know how the Indian constitution embodies the values of social justice and equality. |
| | | | <p style="text-align: center;">IDS PAPER II : SOCIAL REFORMS IN MAHARASHTRA</p> |

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| | | | <ol style="list-style-type: none"> 1. Know about the beginnings of social reforms in Maharashtra by the ParamhansaMandali and PrarthanaSamaj. 2. Understand the contribution of women reforms. 3. Explain the contribution of Social reformers in the fight for social justice. 4. Explain the role played by educational reforms in transformation of society. |
| | | | <p style="text-align: center;"><u>Semester IV – Paper No. V</u></p> <p style="text-align: center;">GENDER & VIOLENCE</p> <ol style="list-style-type: none"> 1. This course attempts to provide an understanding of the logic of the violence. 2. To acquaint the students awareness of its most common forms & tries to equip the students with a sociologically informed basis for making pragmatic, ethical & effective choices while resisting or intervening in the context of gendered violence. |
| | | | <p style="text-align: center;"><u>Semester IV – Paper No. VI</u></p> <p style="text-align: center;">SOCIOLOGY OF HEALTH</p> <ol style="list-style-type: none"> 1. The course introduces students to the sociology of health, illness & medical practice by highlighting the significance of socio-cultural dimensions in the construction of illness & medical knowledge. |

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| | | | <p>2. To understand the theoretical perspectives examine the dynamics shaping these constructions.</p> <p>3. To understand the Negotiations of health & illness are explored through ethnographies.</p> |
| | | Third Year CBCS | <p>Paper No. VII Western Sociological Thinkers</p> <p>1. Acquaintance with the sociological thought of the Pioneers of Sociology.</p> <p>2. Making awareness of the perennial of structure versus agency.</p> |
| | | | <p>Paper VIII Methods Of Social Research (Part I)</p> <p>1) Thrust of the course is on empirical reasoning, understanding and analysis of social reality.</p> <p>2) Introduction to various steps in conducting research.</p> <p>3) Acquaintance with different types of research and issues in research.</p> <p>Paper No - IX Political Sociology</p> <p>1. An ability to comprehend the embeddedness of political and the social in each other.</p> <p>2. Be able to understand the relationship between state and society in shaping politics in India both historically & analytically</p> |
| | | | <p>Paper No. X Human Rights</p> <p>1. Students will be able to conceptual understanding about human rights.</p> <p>2. Understand the nature and role of human rights in India.</p> |

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| | | | <p>Paper XI Sociology of Religion</p> <p>1. Students will be able to make link between texts and paraphrase their arguments & use these to communicate their ideas in research papers, projects & presentations.</p> <p>2. By encompassing contemporary developments the course enables student to think about linkages between religion & society at various levels.</p> |
| | | | <p>Paper No. XII Indian Sociological Thinkers</p> <p>1. Introduction to the diversification in Indian society through the different ideologies given by various Indian Sociologists.</p> <p>2. Sensitization of the contemporary Indian issues different</p> |
| | | | <p>Paper XIII Methods of Social Research (Part-II)</p> <p>1) Imparting basic Research Skills</p> <p>2) Introduction to various steps in conducting research.</p> <p>3) Acquaintance with different types of research and issues in research.</p> |
| | | | <p>PAPER NO. XIV Social Anthropology</p> <p>1. Understanding the economic and developmental aspects of tribal's in India.</p> <p>2. Analysing the tribal problems</p> |
| | | | <p>PAPER NO. XV Rural Sociology</p> <p>1. Introduction the Indian Rural Social Structure</p> <p>2. Understanding the nature of village studies conducted by different</p> <p>3. Discussing the changing power structure in rural Community.</p> |

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| | | | <p>PAPER XVI Urban Sociology 1. To appreciate the significance of the city & the process of urbanization & its consequences across the globe 2.To develop critical thinking among the students.</p> |
| 6 | B.A. (Political Science) | First Year (CBCS) | <p>DSC (B4) Paper-I Introduction to Political Science 1. Student become familiar with fundamentals of Political Science 2. Helps to develop civic sense among students</p> |
| | | | <p>DSC (B18) Paper-II Indian Constitution 1. Students become aware about fundamental rights and duties. 2. Aware about Political System and Governmental Machinery 3. Develop interest in Law and Legal System</p> |
| | | Second Year (CBCS) | <p>CGE Paper I & II <u>Public Administration</u> 1. Students become familiar with administrative system. 2. Students try to understand complexity of administration. 3. Students attracted towards civil services like MPSC/UPSC/SSC etc.</p> |

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| | | | <p>DSC D35 Paper V Local Self Government in Maharashtra</p> <ol style="list-style-type: none"> 1. Students take interest in Panchayat Raj and Municipal administration. 2. Helps to promote rural & urban development. |
| | | | <p>DSC D36 Paper VI Indian Political Thought Part- I</p> <ol style="list-style-type: none"> 1. Students starts critical thinking of Indian Political thoughts vis a vis western Political Thoughts 2. Reflects values among students. |
| | | | <p>DSC D7 Paper III Political Process in India</p> <ol style="list-style-type: none"> 1. Students become familiar with current political sinario. 2. Socio-Political Movements become active. |
| | | | <p>DSC D8 Paper IV Indian Political Thought Part- I</p> <ol style="list-style-type: none"> 1. Students starts critical thinking 2. Students start comparison among different political ideologies. |
| | | Third Year CBCS | <p><u>Public Administration</u></p> <ol style="list-style-type: none"> 1. Study of the administrative system of thenation. 2. Getting information about various concepts in PublicAdministration. 3. Study of the mechanism for the solution of problems in PublicAdministration |
| | | | <p><u>Political Theory</u></p> <ol style="list-style-type: none"> 1. Getting basic knowledge of political theory 2. Understanding of approaches of political theory. 3. Knowing behavioral movement in Political science |

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| | | | <p><u>Western Political Thoughts I & II</u></p> <ol style="list-style-type: none"> Getting information about western political ideas Getting information about western thinkers and their political thoughts. Comparative study of the ancient thoughts and modern thoughts from Plato & Rousseau. Understand political view of J. S. Mill, Karl Marx, Gramsci & Hannah Arendt |
| 7 | B.A. (PSYCHOLOGY) | First Year (CBCS) | <p>Paper: I Foundations of Psychology</p> <ol style="list-style-type: none"> Making familiar with the foundations of Psychology. Acquaintance with cognitive process, states of consciousness and learning. Acquaintance with memory processes. |
| | | | <p>Paper: II General Psychology</p> <ol style="list-style-type: none"> Making familiar with the field of general Psychology. Acquaintance with intelligence, motivation and emotions. Acquaintance with Personality. |
| | | Second Year (CBCS) | <p>Paper – III PSYCHOLOGY FOR LIVING</p> <ol style="list-style-type: none"> They can understand use of psychology for living. Students get knowledge about the concept of Stress and other stress related mental disorders. Students become aware about various Psychotherapies and their uses in day to day life. |
| | | | <p>Paper – IV SOCIAL PSYCHOLOGY</p> <ol style="list-style-type: none"> To acquaint the students with processes of Social Psychology To introduce students the concept of Social Perception. To make aware the students about the Self and self esteem. |

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| | | | <p>4. To introduce students concept of attitude formation, persuasion and cognitive dissonance.</p> |
| | | | <p>Paper V MODERN SOCIAL PSYCHOLOGY</p> <ol style="list-style-type: none"> 1. To acquaint the students with processes of liking (attraction) and sources of liking. 2. To make students familiar with the concept of Social influence, Conformity and Compliance. 3. To acquaint the students with Understanding Prosocial Behavior. 4. To introduce students the concept of Aggression, its causes and control. |
| | | | <p>Paper – VI APPLIED PSYCHOLOGY</p> <ol style="list-style-type: none"> 1. To make familiar to students with processes of Personal control, Decision Making and Personal growth. 2. To introduce students the work, career, play and using leisure positively. 3. To acquaint the students with Making and keeping friends 4. To make aware students about the concept of Love and Commitment. |
| | | Third Year CBCS | <p>Paper: VII Introduction to Cognitive Psychology</p> <p>Upon successful completion of the course students should:</p> <ol style="list-style-type: none"> 1. Gain an understanding of key concepts and research techniques in cognitive psychology. 2. Gain an understanding of the basic processes of sensation attention and perception. 3. Gain an understanding of the memory processes. |

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| | | | 4. Be able to broadening the horizons of cognitivepsychology. |
| | | | <p>Paper: VIII Cross Cultural Psychology</p> <ol style="list-style-type: none"> 1. To acquaint students with emerging field of Cross-Cultural Psychology 2. To make students aware of global v/s relativistic approaches to study human behavior 3. To sensitize students recognize cultural aspects of individual development and socialization 4. To understand socio-cultural influences in development of abnormality and its treatment |
| | | | <p>Paper : IX Introduction to Psychopathology</p> <ol style="list-style-type: none"> 1) To make the students familiar with the field of Psychopathology. 2) To acquaint students with various perspectives of Psychopathology. 3) To make the students understand Anxiety and Obsessive Compulsive Disorder. 4) To acquaint students with Mood Disorders and Suicide. |
| | | | <p>Paper: X Current Trends in Psychology</p> <ol style="list-style-type: none"> 1. To acquaint students with emerging new trends in Psychology 2. To make students aware of health risk behaviour and their causes 3. To sensitize students recognize developmental factors related to criminal behaviour 4. To understand psychological, family and social influences in development of criminality |

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| | | | <p>Paper: XI Practical-Experiments</p> <ol style="list-style-type: none"> 1) Introducing Psychological experiments. 2) Imparting the knowledge and skills for conducting experiments and writing their reports. 3) Introducing some statistical methods |
| | | | <p>Paper No. : XII Psychological Testing</p> <ol style="list-style-type: none"> 1) Introduction to the field of psychological testing in general. 2) Acquaintance with the nature and uses of psychological test 3) Understanding the nature and other description of intelligence test, ability tests and personality tests. |
| | | | <p>Paper: XIII Counseling Psychology</p> <ol style="list-style-type: none"> 1. Introduction to the field of counseling Psychology. 2. Comprehending the applications of counseling Psychology in the fields of career, marriage, couple and family Counseling |
| | | | <p>Paper – XIV Personal Psychology</p> <ol style="list-style-type: none"> 1. Introducing the field of personal Psychology. 2. Acquaintance with study of communicating effectively valuing diversity and goal achievement. |
| | | | <p>Paper: XV Psychology of Organizational Behavior.</p> <ol style="list-style-type: none"> 1. Introducing the field of organizational Behavior. 2. Introducing study of personality, values, group Processes and changes in organization settings. |

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| | | | <p>Paper: XVI Practical: Psychological Tests</p> <ol style="list-style-type: none"> 1. Introduction to Psychological tests. 2. Imparting the knowledge and skills for administering psychological tests and writing their reports. 3. Getting acquainted with some statistical methods. |
| 8 | B.Com. (CBCS) | First year (CBCS) | <p>Marathi Paper I & II Shabhasahita</p> <ol style="list-style-type: none"> 1) To create the interest among the students about Marathi literature and Language 2) To aware students about national unity, mother tongue, higher human values and ethics 3) To develop their conversation skills through essay competition 4) To avail the opportunities of employment by developing skills of listening, reading, speaking and writing 5) To develop the skills of event management |
| | | | <p>English for Business Communication</p> <ol style="list-style-type: none"> 1) Acquaintance with four skills of language 2) Knowing basic structure of English Grammar 3) Developing interest among students towards spoken English 4) Creating Positive approach towards Communicative English 5) Developing personality of students with knowledge of English language |
| | | | <p>Financial Accounting</p> <ol style="list-style-type: none"> 1) Understanding the concept of Financial Accounting 2) Exposure to nature and advantages of accounting Standards in India 3) Obtaining the knowledge of computerized accounting 4) Getting the knowledge about accounting procedure of partnership firms, |

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| | | | accounting professionals, Single Entry System, Branch Accounts and consignment accounts. |
| | | | <p><u>Management Principles and Applications</u></p> <ol style="list-style-type: none"> 1) To understand the concept of management & need of management 2) To understand the management theories of Eltan Mayo and Peter Drucker 3) To understand the planning function of management to understand the meaning, types and steps of planning 4) To understand decision making process, techniques of decision making. 5) To understand the organizing function, process, steps, principles of organizing. |
| | | | <p><u>Principle of Marketing</u></p> <ol style="list-style-type: none"> 1. To provide basic knowledge of concepts, principles, tools and techniques of marketing. 2. To provide basic knowledge of 4p's of marketing and retailing. |
| | | | <p><u>Insurance</u></p> <ol style="list-style-type: none"> 1) To provide basic knowledge of principles & practice of Insurance and life Insurance. 2) To enable students to know the fundamentals of general Insurance. |
| | | | <p><u>Micro Economics</u></p> <ol style="list-style-type: none"> 1. Understanding the link between business economics and business decision. 2. Realizing the importance of demand forecasting and method of demand forecasting. 3. Justifying the demand function and production function. 4. Evaluating various production theories. 5. Clarifying the meaning of Marginal, average, total revenue, and Marginal, |

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| | | | <p>average and total cost and its simplification.</p> <p>6. Understanding different markets structure in marketing system</p> |
| B.Com. | Second year (CBCS) | | <p>English for Business Communication [Compulsory English]</p> <ol style="list-style-type: none"> 1. To enable the students to develop communication skills in both oral and written. 2. To equip the students with the language skills for use in their personal, academic and professional lives. 3. To facilitate and help the students to acquire communication skills. 4. To encourage the active involvement of the students in learning. |
| | | | <p><u>Corporate Accounting</u></p> <ol style="list-style-type: none"> 1. Understand the accounting entries of issue and forfeiture of shares. Accounting treatment for redemption of preference shares & buyback of shares 2. Exposure to the issue of shares and debentures of the company. 3. Attainment of knowledge about accounting procedure of company final account. 4. Understanding the accounting procedure amalgamation and absorption of company 5. Ability to get the knowledge about valuation of shares. 6. Understanding the accounts procedure of liquidation of Ltd. company. |
| | | | <p><u>Business Economics</u></p> <ol style="list-style-type: none"> 1. Understanding the basic concepts and theories of Macroeconomics. 2. Awareness about changing macro economics policies and theories. |

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| | | | <ol style="list-style-type: none"> 3. Justifying various concepts such as; GDP, GNP NNP, Personal Income, Disposable Income, Per Capita Income, and NationalIncome. 4. Explanation of the factors determining gross domestic product, employment, the general level of prices, and interest rates. 5. Acquaintance with law of markets, consumption function and investment function. 6. Understanding monetary policy of Central Banks and its implications. |
| | | | <p>Money and Financial System</p> <ol style="list-style-type: none"> 1. Understanding the nature, functions and issues related to money, banking and non banking financial intermediaries and financial system. 2. Knowing about changing role of banking and financial intermediaries in the process of growth & development. 3. Realization of the term structure, role and functions of RBI, NBFIs, Development Banks, Commercial Banks, Money Market, Capital Market and Forex Market. 4. Getting knowledge about changing paradigms in Indian Banking (E-Banking, Mobile Banking Tele Banking, Core Banking – Retail Banking - ATM, Credit Card and Debit card, Kisan card). |
| | | | <p><u>Fundamentals of Entrepreneurship</u></p> <ol style="list-style-type: none"> 1. Motivating to acquire the skill to be an Entrepreneur 2. Creating Entrepreneurial skill among the students. 3. Creating awareness among students about self employment/ own business. |

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| | | | <ol style="list-style-type: none"> 4. Providing various innovative business ideas to the society. 5. Developing a skill of stability in the business at critical situation. |
| | | | <p><u>Business statistics</u></p> <ol style="list-style-type: none"> 1. Making familiar with statistical tools which are relatively used in business. 2. Imparting the ability to collect present, analyze and interpret data. 3. Ability to predict trend values by using list square methods in regression. |
| | B.Com. ENVIRONMENTAL STUDIES | | <ol style="list-style-type: none"> 1. Understanding environmental concerns by the students at the undergraduate level. 2. Understanding the relationship of man with the environment and help them change his attitude for more positive, proactive, eco-friendly and sustainable lifestyles. 3. Getting information about climate change, Global warming, Acid rain, Green house effect, Ozone, layer depletion. 4. Cultivating attitudes to safeguard the environment built particularly with field experience. 5. Realization of the impact of human actions on the immediate environment and the linkage with the larger issues. 6. Getting information about Environment Protection Acts. |
| | B.Com | Third year CBCS | <p><u>Modern Management Practices</u></p> <ol style="list-style-type: none"> 1. Knowing about the growing size and complexity of business. 2. Getting known with good working environment and conditions. 3. Explanation about how to reduce wastage and increase efficiency. 4. Importance of research and development. 5. Knowledge about cut throat competition in the market. |

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| | | | 6. Acquaintance with the modern management practices being used by the corporate world. |
| | | | <p><u>Business Regularity Framework</u></p> <ol style="list-style-type: none"> 1. Introduction to Business Law as well as other Laws. 2. Achieving the knowledge of Law. 3. Knowing the rights and liability of every citizen regarding society. 4. Awareness of legal liability. 5. Welfare of society 6. Creating legal awareness among the students. 7. Acquainting with the latest laws, governing business and commercial transactions. |
| | | | <p>Business Environment</p> <ol style="list-style-type: none"> 1. Understanding business environment at national and international level. 2. Knowledge about agricultural development, industrial development and service sector development in India. 3. Discussing the problems of Indian economy. 4. Measuring implementation and impact of Liberalization, Privatization and Globalization on Indian Economy. 5. Justifying performance, role, function, merits and demerits of Foreign Capital, Multinational corporations and International Corporation (IMF, IBRD, WTO and SAARC). |
| | | | <p>Co-operative Development</p> <ol style="list-style-type: none"> 1. Understanding the principles of co-operation and co-operative movement in India. 2. Knowing the structure, types, functions, problems and remedies agricultural and Non-agricultural Credit Co-operative institutions. 3. Getting known with Co-operative credit |

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| | | | <p>movement in post- independence period.</p> <ol style="list-style-type: none"> 4. Evaluating the impact of Globalization on co-operative Movement. 5. Getting basic knowledge of co-operative society and its administration. 6. Justifying the role of state and central government in development of co-operative sector. 7. Understanding New Economic Policy since 1991 and |
| | | | <p><u>Advanced Accountancy Paper I & IV.</u></p> <ol style="list-style-type: none"> 1. Knowledge about various provision of Banking 2. Knowledge about the accounting procedure of Hire purchase system of sales. 3. Calculation of fire insurance claim under loss of stock policy and loss of profit policy 4. Knowledge about the Firm Accounting procedure. 5. Obtaining the knowledge about analysis and interpretation of financial statements. 6. Understanding the procedure of calculation of working capital requirement and preparation of funds flow statement. 7. Exposure to cost accounting and management accounting. |
| | | | <p><u>Advanced Accounting Paper II (Auditing)</u></p> <ol style="list-style-type: none"> 1. Knowledge about auditing principles and techniques of auditing. 2. Getting knowledge of vouching of cash and credit transactions. 3. Knowing the appointment procedure of Auditor. 4. Acquiring the skills of Audit program of co-operative societies and banks. 5. Knowledge about writing of audit reports. |
| | | | <p><u>Advanced Accounting Paper IV (Taxation)</u></p> |

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| | | | <ol style="list-style-type: none"> 1 Understanding basic concepts in Indian TaxAct. 2 Obtaining the knowledge about tax freeincomes. 3 Acquiring the knowledge about general deductions fromincome. 4 Exposure to income taxplanning 5 Knowing the procedure of calculation of incometax 6 Understanding the procedure of e-filling of return and e-payment oftax. 7 Getting known with application of principles and provisions of direct tax laws in computation of taxable income under various heads ofincome. |
| | | | <p><u>Cost Accounting (Paper I and II)</u></p> <ol style="list-style-type: none"> 1. Creating logical thinkingpower. 2. Creating ability to take decision at different level of production activity like make or buy, project launchingetc. 3. Developing knowledge among students about cost ascertainment and fixation of selling price and costcontrol. 4. Knowledge about presentation of cost accounting information for the purpose of decisionmaking. 5. Determination of profitable or unprofitable activity in business by using different cost accountingtools. |
| | | | <p><u>Cost Accounting (Paper III & IV)</u></p> <ol style="list-style-type: none"> 1. Developing knowledge about preparation of tenders, quotations,etc. 2. Helping in determining the product total cost and fixation of sellingprice. 3. Creating skills about handling of various financial records, documentation, collection and classification of differentcosts. 4. Enhancing the knowledge of business project analysis and cost planning and procedure. 5. Getting known with how to publish information about production to management, consumer, Government, |

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| | | | Employee at different levels for decision making purpose. |
| | | | <p>Advanced Banking Paper I, II, III&IV</p> <ol style="list-style-type: none"> 1. Introducing banking law and practice in relation to the banking system in India. 2. Developing the capability of students for knowing banking system, regulatory framework, banker- customer relationship and bankingservices. 3. Understanding the legal aspects of banking transactions and its implications as banker andcustomer. 4. Knowing the banking services andremittances. 5. Understanding electronic banking and IT inbanks. 6. Knowing types of negotiable instruments. 7. Getting acquainted with banks and financialinstitutions. 8. Developing the capability of students for knowing bank nationalization, financial and business performance of banks, central banking and financial markets (Money Market, Capital Market, Spot and DerivativeMarket). 9. Explanation of regulatory and promotional role of central banking, and its role in economicdevelopment. |
| | | | <p><u>Industrial Management (Paper I&II)</u></p> <ol style="list-style-type: none"> 1. Understanding about work for maximumoutputs. 2. Knowing about mobilization of besttalents. 3. Motivation ofemployees 4. Improving standard ofliving. 5. Ample jobopportunity. 6. Establishing sound industrialrelations. 7. Achievement ofgoals. 8. Creating relationship between owners andworkers. 9. Management providesinnovation. |
| | | | <u>Industrial Management (PaperIII&IV)</u> |

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| | | | <ol style="list-style-type: none"> 1. Active cooperation of human being. 2. Industrial management aims of achieving Predetermine objectives. 3. It helps coordination and establishes team spirit 4. Basic of management and multidisciplinary teams. |
| 9 | B.Sc. CHEMISTRY | First Year (CBCS) | <p>Paper I DSC-3A Inorganic Chemistry</p> <p>Student will be able to understand</p> <ol style="list-style-type: none"> 1) Atomic Structure & Electronic Configuration of Elements 2) Characteristics of Ionic Bonding 3) VBT, Hybridization and Geometry of Molecules 4) MOT of Homoatomic and Heteroatomic Molecules |
| | | | <p>Paper II DSC-3B Organic Chemistry</p> <p>Student will be able to understand</p> <ol style="list-style-type: none"> 1) Introduction part about Cycloalkane, Cycloalkene & Alkadiene 2) Learning & Understanding IUPAC Nomenclature 3) Aromaticity and Reactivity Study |
| | | | <p>Paper III DSC-4A Physical Chemistry</p> <ol style="list-style-type: none"> 1) Learning & Understanding basic concepts of Thermodynamics 2) Important principles of Thermochemistry 3) Knowledge about Chemical Equilibrium 4) Study about Rates of Chemical reaction and Problem solving ability |
| | | | <p>Paper IV DSC-4B Analytical Chemistry</p> <p>Student will be able to understand</p> <ol style="list-style-type: none"> 1) Analytical Methods and Methods of Analysis 2) Various Chromatographic Techniques- TLC, Paper Chromatography 3) Physical Analysis of water |

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| | | | 4) Fertilizers and Analysis of N,P&K |
| | | Second Year (CBCS) | Paper V DSC-C3 Physical Chemistry 1. Learning and understanding conductivity and transport number of the aqueous solutions with different applications 2. Knowledge about surface tension, viscosity and refractive index will be gained by the student 3. Learning and understanding surface phenomena at heterogeneous surfaces 4. Learning the various Nuclear phenomena and measurement of nuclear radiations 5. Learning and understanding the knowledge about third order reaction and theories of reaction rates |
| | | | Paper VI DSC-C4 Industrial Chemistry 1. Learning and understanding basic concepts and concentration terms 2. Knowledge of some unit operations 3. Understanding the process of corrosion and Knowledge of prevention from corrosion 4. Knowledge of Indian paper industry 5. Knowledge about the chemical nature and cleansing action of soap |
| | | | Paper VII DSC-D3 Inorganic Chemistry 1. Learning and Understanding basic concepts about coordination complexes 2. Knowledge about application of chelates in analytical chemistry. 3. Understanding the properties of P- block elements 4. Student will be capable of Understanding the properties of 3d series elements 5. Student will learn the basic knowledge about the qualitative analysis of inorganic compounds |
| | | | Paper VII DSC-D4 Organic Chemistry 1. To impart knowledge about the synthesis reactivity and applications of carboxylic acids 2. Knowledge about classification of amines and diazonium salts 3. Understanding the classification, configuration and structure of carbohydrates 4. Student will be capable of understanding the |

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| | | | <p>nomenclature and reactivity of aldehydes and ketones</p> <p>5. Student will learn the basic knowledge conformational analysis of organic compounds</p> |
| | | <p>Third Year CBCS</p> | <p>Paper IX Inorganic Chemistry Student will be able to understand</p> <ol style="list-style-type: none"> 1) Pearson's HSAB Concept & Useful for the study of role of acids and bases in Chemistry. 2) CFT & MOT 3) Study of Inorganic Polymers 4) Semiconductors, Superconductors & their applications 5) Synthesis and structural study of Organometallic Compounds 6) Mechanism and applications of catalyst in industrial fields |
| | | | <p>Paper X Organic Chemistry</p> <ol style="list-style-type: none"> 1. Understanding of energy associated with electromagnetic radiation and its use in analytical technique. 2. Knowledge of chromophore, auxochrome and calculation of λ_{max}. 3. Knowledge of vibrational transitions, regions of IR spectrum, functional group recognition. 4. Understanding of magnetic-non magnetic nuclei, shielding-deshielding, chemical shift, splitting pattern 5. Knowledge of molecular ion, fragmentation pattern and different types of ions produced. |
| | | | <p>Paper XI Physical Chemistry</p> <ol style="list-style-type: none"> 1) To create knowledge regarding Atomic Structure 2) Enhancement of knowledge on phase diagram 3) Identification on types of solutions 4) Determination of type of electrodes |

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| | | | <p>Paper XII Analytical Chemistry</p> <ol style="list-style-type: none"> 1. Learning and understanding the techniques of gravimetric analysis. 2. Knowledge of instrumental analysis of alkali and alkaline earth elements. 3. Understanding, working and applications of optical methods as an analytical tool. 4. Understanding theory and applications of potentiometric titrations. |
| | | | <p>Paper XIII Inorganic Chemistry Student will be able to understand</p> <ol style="list-style-type: none"> 1) Electronic configuration of 5f series elements and their properties 2) Nuclear reactions and study of radioisotopes as tracers 3) Thermodynamic and Kinetic aspects of Inorganic complexes 4) Bioinorganic Chemistry |
| | | | <p>Paper XIV Organic Chemistry</p> <ol style="list-style-type: none"> 1) Learning and understanding applications of Drug 2) Knowledge about reagent and its applications 3) To impart knowledge about the reactions and its mechanism 4) To study reactions of C=C |
| | | | <p>Paper XV Physical Chemistry</p> <ol style="list-style-type: none"> 1) To create interest among the students about Crystal Lattice 2) To impart knowledge on Adsorption and Absorption 3) To understand expression on Thermodynamics |
| | | | <p>Paper XVI Analytical Chemistry</p> <ol style="list-style-type: none"> 1) Learning and Understanding theory of Titrimetric Analysis 2) Introduction of different types of |

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| | | | <p>Chromatographic Techniques</p> <p>3) Impart knowledge about Colorimetry and Spectrophotometry</p> <p>4) Learning and understanding Potentiometric Titrations</p> |
| 10 | B.Sc. Microbiology | First Year (CBCS) | <p>Paper I – DSC- 25A INTRODUCION TO MICROBIOLGY</p> <ul style="list-style-type: none"> • Students are able to recognize the organism. • Students are able to handle basic Instrument and equipments . • Students developed laboratory skills. |
| | | | <p>Paper II - DSC- 26A MICROBIAL DIVERSITY</p> <ul style="list-style-type: none"> • Students are able to prohibit the contamination in laboratory. • Developed the skills of sterilization. • Students know about procedure & mechanism of staining techniques. • Students know the idea about isolation of enzymes from microbes. • Students got idea about the structure, size, shape and arrangement of bacteria. |
| | | | <p>Paper III - DSC- 25B BACTERIOLOGY</p> <ul style="list-style-type: none"> • Students are aware about upcoming diseases, how to treat and overcome health problems. • Students got idea about the structure, size, shape and arrangement of bacteria. |
| | | | <p>Paper IV - DSC- 26B MICROBIAL BIOCHEMISTRY</p> <ul style="list-style-type: none"> • Students are able to analyze problems and get aware about research • Students know the idea about isolation of enzymes from microbes. • Students know about procedure & mechanism of staining techniques. |

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| | | | <ul style="list-style-type: none"> Understood all concepts of microbiology, developed their skills in their course work. |
| | | Second Year (CBCS) | <p>Paper V DSC-C25 Microbial Physiology and Metabolism:</p> <ul style="list-style-type: none"> Basic knowledge of metabolism and physiology. Implement their knowledge in research. Students get aware with applied topics in biochemistry. |
| | | | <p>Paper VI DSC-C26 Applied Microbiology</p> <ul style="list-style-type: none"> Students are able to analyze problems and get aware about research Understood all concepts of microbiology, developed their skills in their course work. |
| | | | <p>Paper VII DSC-D25 Microbial Genetics and Molecular Biology</p> <ul style="list-style-type: none"> Students can work for enzyme production, production of pharmaceuticals such as insulin, Human growth hormone etc. Able to do transformation, conjugation, transduction like gene transformation procedures . |
| | | | <p>Paper VIII DSC-D26 Basics in Medical Microbiology and Immunology</p> <ul style="list-style-type: none"> Able to analyses & clarify laboratory practices in immunology interacts with clinical decisions making in the diagnosis of the diseases & there care of patients. |

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| | | | <ul style="list-style-type: none"> Students can apply immunology in tissue transplantation and immune therapy to treat diseases of immune system and cancers. |
| | | Third Year CBCS | <p>Paper IX Virology</p> <ol style="list-style-type: none"> Educating concepts in the area of Virology. Getting the idea about structure and reproduction of animal, plants and bacterial viruses. Understanding the viral diseases to human animals and plants. Understanding the cause and characteristics of Cancer |
| | | | <p>Paper X Immunology</p> <ol style="list-style-type: none"> Recall advanced knowledge of the underlying principal of immunology Knowledge of Antigen, Antibody complex formation and its mechanism |
| | | | <p>Paper XI Food and Industrial Microbiology</p> <ol style="list-style-type: none"> Getting knowledge related to foodstuffs and contamination of food products. Understanding industrial use of microorganisms. Learning different topics of food poisoning, toxication and develop probiotics. |
| | | | <p>Paper XII Agricultural Microbiology</p> <ol style="list-style-type: none"> Developing necessary skills for microbial techniques in agriculture. Awareness about eco-friendly use of microbial source in human society. |
| | | | <p>Paper XIII Microbial genetics</p> <ol style="list-style-type: none"> Knowledge of microbial techniques. Knowledge of bacterial genome replication. Knowledge of creating and |

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| | | | <p>recombinant bacteria.</p> <p>4. Idea to Design the genetically modified organisms.</p> |
| | | | <p>Paper XIV Microbial Biochemistry</p> <ol style="list-style-type: none"> 1. Knowledge of basics in microbial biochemistry. 2. Knowledge about application of enzymes, proteins in industries and pharmaceuticals. |
| | | | <p>Paper XV Environmental Microbiology</p> <ol style="list-style-type: none"> 1. Knowledge of environmental factors and pollution issues. 2. Recognize the polluted water and treatment using proper methods. 3. Awareness for hygienic practices |
| | | | <p>Paper XVI Medical Microbiology</p> <ol style="list-style-type: none"> 1) Students can deal with Medical and emerging areas in Medical microbiology 2) Knowledge of immune mechanism against different pathogens |
| 11 | B.Sc. Mathematics | First Year (CBCS) | <p>Paper I – DSC-5A DIFFERENTIAL CALCULUS</p> <ol style="list-style-type: none"> 1) To able to calculate limits in indeterminate forms by a repeated use of L'Hospital Rule 2) Compare and Contrast the ideas of continuity and Differentiability |
| | | | <p>Paper II – (DSC-6A)- CALCULUS:</p> <ol style="list-style-type: none"> 1) Understand the relationship between the derivative and the definite integral as expressed in both parts of the fundamental Theorem of Calculus. 2) To determine different indeterminate forms |

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| | | | Paper III - DSC-5B DIFFERENTIAL EQUATIONS 1) Distinguish between linear, nonlinear differential equations 2) Solve basic application problems described by second order linear differential equations with constant coefficients |
| | | | Paper IV- DSC-6B – Higher Order Ordinary Differential Equations And Partial Differential Equations 1) Recognize and Solve a variable separable and homogeneous differential equation 2) Solve second order and higher order linear differential equation. |
| | | Second Year (CBCS) | Paper V - DSC- 5C REAL ANALYSIS-I 1) Describe the basic difference between the rational and real number. 2) Understand and perform simple proofs. |
| | | | Paper VI DSC-6C ALGEBRA-I 1) Understand the basic concepts of group actions and their applications in both algebraic and geometric contexts. 2) Use appropriate techniques and reasoning to derive the properties of groups defined by generators and relations. |
| | | | Paper VII DSC- 5D REAL ANALYSIS-II 1) Determine whether or not real series are convergent by comparison with standard series or using ratio test. 2) Evaluate the limits of wide class of real sequences. |
| | | | Paper VII DSC- 6D ALGEBRA-II |

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| | | | <p>1) Comprehend axiomatic presentations of abstract data types and derive and prove their properties.</p> <p>2) Understand the elementary concepts of rings and fields and appreciate the similarities and differences between these concepts and those of group theory.</p> |
| | | Third Year CBCS | <p>Paper IX Mathematical Analysis</p> <ol style="list-style-type: none"> 1. The integration of bounded function on a closed and bounded interval 2. Some of the families and properties of Riemann integrable functions 3. The applications of the fundamental theorems of integration 4. Extension of Riemann integral to the improper integrals when either the interval of integration is infinite or the integrand has infinite limits at a finite number of points on the interval of integration 5. The expansion of functions in Fourier series and half range Fourier series |
| | | | <p>Paper X Abstract Algebra</p> <ol style="list-style-type: none"> 1. Basic concepts of group and rings with examples 2. Identify whether the given set with the compositions form Ring, Integral domain or field. 3. Understand the difference between the concepts Group and Ring. 4. Apply fundamental theorem, Isomorphism theorems of groups to prove these theorems for Ring. 5. Understand the concepts of polynomial rings, unique factorization domain. |
| | | | <p>Paper XI Optimization Techniques</p> <ol style="list-style-type: none"> 1. Provide student basic knowledge of a range of operation research models and techniques, which can be applied to a variety of industrial and real life |

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| | | | <p>applications.</p> <ol style="list-style-type: none"> 2. Formulate and apply suitable methods to solve problems. 3. Identify and select procedures for various sequencing, assignment, transportation problems. 4. Identify and select suitable methods for various games . |
| | | | <p>Paper XII Integral Transforms</p> <ol style="list-style-type: none"> 1. Understand concept of Laplace Transform. 2. Apply properties of Laplace Transform to solve differential equations. 3. Understand relation between Laplace and Fourier Transform. 4. Understand infinite and finite Fourier Transform. |
| | | | <p>Paper XIII (Metric Spaces)</p> <ol style="list-style-type: none"> 1. Distinguish between open and closed balls in a metric spaces and be able to determine them for given metric space. 2. State the definition of continuity of a function between two metric spaces. |
| | | | <p>Paper XIV (Linear Algebra)</p> <ol style="list-style-type: none"> 1. Understand the combination of important results of linear Algebra 2. Linear Algebra includes the concept of vector spaces and linear transformations |
| | | | <p>Paper XV (Complex Analysis)</p> <ol style="list-style-type: none"> 1. Determine whether a given function is differentiable and if so find its derivative. 2. Use the residue theorem to compute several kinds of real integrals. |
| | | | <p>Paper XVI Discrete Mathematics</p> <ol style="list-style-type: none"> 1. Use classical notions of logic: implications, equivalence, negation, proof by contradiction, proof by induction, and quantifiers. 2. Apply notions in logic in other branches of Mathematics. 3. Know elementary algorithms : searching algorithms, sorting, greedy algorithms, and their complexity. |

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| | | | 4. Apply concepts of graph and trees to tackle real situations. |
| 12 | B.Sc. COMPUTER SCIENCE | First Year (CBCS) | Paper I – DSC- 11A Problem Solving Using Computer <ol style="list-style-type: none"> 1. Understanding programming skill. 2. Understanding working of Ubuntu. 3. Getting knowledge about use of Gcc compiler and vi Editor. 4. To learn Decision Making and looping Constructs in C. 5. Understand Array in C. |
| | | | Paper II - DSC- 12A Database Management System <ol style="list-style-type: none"> 1. Understanding Data Models 2. Understanding database architecture 3. Getting knowledge about use of database 4. Handling multiple tables using entities and attributes 5. Knowledge of constraints over the table. |
| | | | Paper III - DSC- 11B Programming Skills Using ‘C’ <ol style="list-style-type: none"> 1. Understanding concept of Pointer. 2. Understanding for Functional function in c. 3. Learn file handling in c. 4. Understanding concept of Structure and Dynamic Memory Allocation. |
| | | | Paper IV - DSC- 12B Relational Database Management System <ol style="list-style-type: none"> 1. Getting knowledge of relational constraints. 2. Application of MYSQL for database design 3. Retrieve ,update table using mysql application 4. Manipulation operations in multiple database. |
| | | Second Year (CBCS) | <u>Paper V-DSC-11c</u> <u>PHP and MYSQL</u> <ol style="list-style-type: none"> 1. Understanding programming skill. |

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| | | | <ol style="list-style-type: none"> 2. understanding working of Xampp server. 3. Getting knowledge about use of HTML concept. 4 .Understanding how to develop web application in PHP using MY SQL. 5 .To learn about how to work PHP that definitely meets the current industry. |
| | | | <p><u>Paper I-DSC-12C</u> <u>Object Oriented Programming Using C++</u></p> <ol style="list-style-type: none"> 1. To understand how C++ improves c with object oriented features. 2. How to learn overload functions and operators in C++. 3. To learn how to design C++ classes for code reuse. 4. To learn how inheritance promote code reuse in C++. 5. To learn virtual functions implement dynamic binding with polymorphism. |
| | | | <p><u>Paper I-DSC-11D</u> <u>Cyber Security Essentials</u></p> <ol style="list-style-type: none"> 1 .Understand concept if information security management. 2. Understand different access controls methods. 3. Understand wireless network. 4. Learn cyber securities laws. 5. Understand importance of security audit. |
| | | | <p><u>Paper I-DSC-12D</u> <u>Data Structure Using C++</u></p> <ol style="list-style-type: none"> 1. Understand the basic concepts of Data Structures using C++. 2. Getting knowledge about searching and sorting techniques. 3. Understanding the concept of time and space complexity algorithms. 4. Ability to design programs using variety of Data Structures |
| | | Third Year CBCS | <p>Paper IX – Core Java</p> <ol style="list-style-type: none"> 1. Understanding the concepts, vocabulary and techniques currently used in the area of computer networks. 2. Getting known with wireless networking |

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| | | | <p>concepts.</p> <ol style="list-style-type: none"> 3. Understanding classification of network, transmission impairments, Data transmission methodsetc. 4. Understanding installation of Windows Server 2008 and managing active directory. |
| | | | <p>Paper X C# Programming</p> <ol style="list-style-type: none"> 1. This course will cover the practical aspects C#. 2. NET framework. 3. The goal of this course is to introduce the students to the basics of OOPs and windows application program. |
| | | | <p>Paper XI Linux Part I</p> <ol style="list-style-type: none"> 1. Upon completion of this course, students should have a good working knowledge of Linux. 2. Allowing them to easily use any Linux distribution. 3. This course shall help student to learn advanced subjects in computer science practically. |
| | | | <p>Paper XII Pytho Part I</p> <ol style="list-style-type: none"> 1. To understand why Python is a useful scripting language for developers 2. To learn how to write loops and decision statements in Python 3. To learn how to use lists, tuples, and dictionaries in Python programs |
| | | | <p>Paper XIII Advanced Java</p> <ol style="list-style-type: none"> 1) The student will be able to develop distributed business applications, develop web pages Using advanced server-side programming through servlets and Java server pages. 2) Demonstrate approaches for performance and effective coding 3) To learn database programming using Java 4) To study web development concept using Servlet and JSP |
| | | | <p>Paper XIV – ASP.NET</p> <ol style="list-style-type: none"> 1. Introduction to Asp.Net an server |

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| | | | <p>Controls.</p> <p>2. Understand concept of Asp.Net State Management</p> |
| | | | <p>Paper XV – Linux Part II</p> <p>1. This course covers design principles of Linux Operating System Memory management.</p> <p>2. Structure of File system and virtual file system is also elaborated.</p> <p>3. This course contains details of shell programming and introduces System administration</p> |
| | | | <p>Paper XVI Python Part II</p> <p>1. To learn how to write functions and pass arguments in Python</p> <p>2. To learn how to build and package Python modules for reusability</p> <p>3. To learn how to use exception handling in Python applications for error handling</p> |
| 13 | B.Sc. PHYSICS | First Year (CBCS) | <p>Paper I DSC-1A MECHANICS-I</p> <p>By the end of course students should be able to know about the following</p> <ol style="list-style-type: none"> 1) Different types of motions in nature 2) Vector and scalar quantities and their applications in physics 3) Differential equations and their applications in physics 4) Momentum and energy conservation rules and their importance. |
| | | | <p>Paper II DSC-2A MECHANICAS-II</p> <p>By the end of course students should be able to know about the following</p> <ol style="list-style-type: none"> 1) Oscillations and waves with applications in nature. 2) Property of Elasticity and use in different applications. 3) Surface tension its properties and applications. |
| | | | Paper III DSC-B ELECTRICITY AND |

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| | | | <p style="text-align: center;">MAGNETISM-I</p> <p>By the end of course students should be able to know about the following</p> <ol style="list-style-type: none"> 1) All about electrostatics, field, flux, various theorems in dielectrics and their applications in capacitors. 2) Vector analysis, Gauss's, Stokes's and Green's theorems and applications. |
| | | | <p style="text-align: center;">Paper IV DSC- 2B ELECTRICITY AND MAGNETISM-II</p> <p>By the end of course students should be able to know about the following</p> <ol style="list-style-type: none"> 1) LCR circuit and analysis and its use in electrical and electronics devices. 2) Various bridges and their applications to determine the unknown values of resistance, capacitance and inductances. 3) Maxwell's equations and applications to solve problems in electromagnetic wave propagation. |
| | | Second Year (CBCS) | <p style="text-align: center;">Paper V-DSC C1 THERMAL AND STATISTICAL MECHANICS –I</p> <p>By the end of course students should be able to know about the following</p> <ol style="list-style-type: none"> 1) Kinetics of gases and Maxwell's law of distribution of velocities and their use in transport phenomena in gases. 2) Various types of thermometers, their construction and working. 3) Thermodynamic processes and different laws with applications in development of Heat engine. |
| | | | <p style="text-align: center;">Paper VI -DSC C2 WAVES AND OPTICS -I</p> <p>By the end of course students should be able to know about the following</p> <ol style="list-style-type: none"> 1) Oscillations and their importance in physical |

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| | | | <p>world.</p> <p>2) Harmonic, coupled oscillations and energy exchange processes.</p> <p>3) Characteristics of sound and applications in Acoustic of building, data storage and recording and reproduction etc.</p> |
| | | | <p align="center">Paper VII-DSC D1 THERMAL AND STATISTICAL MECHANICS –II</p> <p>By the end of course students should be able to know about the following</p> <p>1) Various thermodynamic functions and their inter relations.</p> <p>2) Blackbody radiations and its applications.</p> <p>3) Classical and Quantum phenomena and theories related.</p> |
| | | | <p align="center">Paper VIII -DSC D2 WAVES AND OPTICS -I</p> <p>By the end of course students should be able to know about the following</p> <p>1) Study of Optics and use of cardinal points in lens system.</p> <p>2) Prism, Grating and other optical instruments and their applications.</p> <p>3) Light its properties and applications in various new technologies.</p> |
| 14 | B.Sc. BOTANY | First Year (CBCS) | <p>Paper I – DSC-13A Biodiversity of Microbes Algae and Fungi:</p> <p>1) To create an interest in identification of Microbes in different diseases of Plant as well as animals.</p> <p>2) To acquire basic knowledge of identification of lower plants.</p> |
| | | | <p>Paper II - DSC-14A Biodiversity of Archagoniate</p> <p>1) To acquire knowledge of identification of lower plant.</p> <p>2) Student can get the knowledge about life cycle of cryptogamic plants.</p> |
| | | | <p>Paper III - DSC-13B Plant Ecology:</p> <p>1) To impart knowledge about Plant</p> |

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| | | | Ecology. 2) To understand Ecological changes in the Environment. |
| | | | Paper IV - DSC-14A Plant Taxonomy 1) To understand the scientific terms ,concepts and the relationship of plants. 2) To provide knowledge about identification of plants in the field. |
| | | Second Year (CBCS) | Paper V - DSC-C13 Embryology of Angiosperms Unit-I.Toacquire basic Knowledge of structure and development of Plants. Unit-II.To understand scientific terms,concepts,facts phenomenon among the plants. |
| | | | Paper VI DSC-C14 Plant Physiology Unit-I.To understand basic knowledge about Physiological mechanisms in Plants. Unit-II.To impart the knowledge about physiological relation among living organisms. |
| | | | Paper VII DSC-D13 Plant Anatomy Unit-I.Toacquire knowledge of internal organization of plants. Unit-II.To give idea about internal construction of the plant organs. |
| | | | Paper VII DSC-D14 Plant Metabolism Unit-I.Toacquire basic knowledge of biochemical metabolism in plants. Unit-II.To develop ability for the application of acquire knowledge. |
| 15 | B.Sc. ZOOLOGY | First Year (CBCS) | Paper I – DSC-15A Animal Diversity-I <ul style="list-style-type: none"> • To Study The Animals And Type Of Animals With their Basic Information. • To Study The Classification Of |

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| | | | <p>Animals.</p> <ul style="list-style-type: none"> • To Study the Nomenclature Of Animals. • To Study The Unknown Animals Species. |
| | | | <p>Paper II – DSC-16A ANIMAL PHYSIOLOGY</p> <ul style="list-style-type: none"> • To Study The Animal Physiology. • To Study the Parts Of The body. • To Study the Function of Animals Body systems. • To Study the Reproduction In animals. |
| | | | <p>Paper III - DSC-15B CELL BIOLOGY AND EVOLUTINARY BIOLOGY</p> <ul style="list-style-type: none"> • The Study Of cell, And there Organise. • The Study Of The Types of the cell. • *The study of the tissue and types of the tissue. • The study of cell functions, And cell division. |
| | | | <p>Paper IV- DSC-16B GENETICS</p> <ul style="list-style-type: none"> • The Study of Human and Heredity of Human. • The Study Of gene with Genetic Daises. • The Study Of Gene variation. • The Study of How to Genetic Information Carry bye one generation to another Generation. |
| | | Second Year (CBCS) | <p>Paper V – Animal Diversity-II</p> <ul style="list-style-type: none"> • To Study The Animals And Type Of Animals With their Basic Information. • To Study The Classification Of Animals. • To Study the Nomenclature Of Animals. |

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| | | | <ul style="list-style-type: none"> • To Study The Unknown Animals Spices. |
| | | | <p>Paper VI –Biochemistry.</p> <ul style="list-style-type: none"> • The study of Metabolisms With Food Componants. • The Study Of DNA. And RNA. • The study Of Enzymes. • The Study Of Vitamins. • Students got lots of information and knowledge about the subject and topic. For the use of daily life. |
| | | | <p>Paper VII- Reproductive Biology.</p> <ul style="list-style-type: none"> •The Study Of the Reproduction in animals. •The study of the Reproductive Physiology Of the human. •The Study of The how to form Embryo in Embryonic Sac. •The Study of the Reproductive Hormones. •The study of abnormalities in pregnancy. |
| | | | <p>Paper VIII- . Applied Zoology.</p> <ul style="list-style-type: none"> • The use of animals for the domestic purpose. • The Use Of the animals For Agriculture. • The Use of animals For Economic Purpose. • The Use of animals for Food purpose. • The Use of Animals for Ornamental Purpose. • The use of animals for industrial purpose. Dairy industries. Poultry Industries. |
| 16 | B.Sc. STATISTICS | First Year (CBCS) | Paper I – DSC-7A DESCRIPTIVE STATISTICS-I |

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| | | | <ol style="list-style-type: none"> 1. Acquaintance with some basic concepts in statistics. 2. Making familiar with some elementary statistical methods of analysis of data viz. Measures of Central Tendency, Dispersion, Moments, Skewness, and Kurtosis and to interpret them. 3. Analysis of data pertaining to attributes and to interpret the results. |
| | | | <p>Paper II – DSC-8A ELEMENTARY PROBABILITY THEORY</p> <ol style="list-style-type: none"> 1. Acquainting with some basic concepts of probability. 2. Ability to distinguish between random and non-random experiment. 3. Ability to find the probabilities of various events. 4. Ability to understand the concept of conditional probability and independence of events. 5. Ability to distinguish between univariate and bivariate probability distribution. |
| | | | <p>Paper III - DSC-7B DESCRIPTIVE STATISTICS-II</p> <ol style="list-style-type: none"> 1. Ability to understand the concept of correlation and computation of correlation coefficient. 2. Interpreting the value of correlation coefficient and its use in regression analysis. 3. Understanding the concept of multivariate distributions. 4. Application of correlation and regression theory in various fields viz. Agriculture, Business, Medical Science, Industry etc. |

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| | | | <p>Paper IV- DSC-8B</p> <p>DISCRETE PROBABILITY DISTRIBUTIONS</p> <ol style="list-style-type: none"> 1. Applying discrete probability distribution in different situations. 2. Ability to define discrete variable and study their distributions. 3. Understanding some standard discrete probability distributions with real life situations. 4. Understanding concept of bivariate distribution and computation of related probabilities. |
| | | Second Year (CBCS) | <p>Paper V - DSC- 7C</p> <p>PROBABILITY DISTRIBUTIONS -I</p> <ol style="list-style-type: none"> 1. Understanding discrete distributions based on countably infinite sample space. 2. Application of various discrete distributions in real life situation. 3. Knowing the difference between univariate and bivariate continuous probability distribution. 4. Understanding transformation of continuous random variables and its application. |
| | | | <p>Paper VI DSC- 8C</p> <p>STATISTICAL METHODS-I</p> <ol style="list-style-type: none"> 1. Application of statistical methods in different fields viz. Business, Industry, Medical Science, Government Planning and Policies etc. 2. Knowing the collection of data with respect to time and techniques used in |

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| | | | <p>analysis and forecasting of time series.</p> <ol style="list-style-type: none"> 3. Understanding the notion of quality and its importance in industry. 4. Ability to differentiate between process and product control and plotting of the various charts used in SQC. 5. Ability to understand vital statistics and computation of vital events. 6. Ability to understand index numbers and computation and utility in industry. |
| | | | <p>Paper VII DSC- 7D PROBABILITY DISTRIBUTIONS -II</p> <ol style="list-style-type: none"> 1. Understanding various continuous probability distributions theoretically. 2. Application of normal distribution in different fields. 3. Ability to relate gamma and beta distribution. 4. Ability to relate t, F and chi-square variates. |
| | | | <p>Paper VII DSC- 8D STATISTICAL METHODS-II</p> <ol style="list-style-type: none"> 1. Application of Chebychev's Inequality in finding lower and upper bound of the data. 2. Understanding the life cycle of a component or a unit and finding its reliability. 3. Ability to understand the difference between large and small sample and tests based on it. 4. Ability to understand the concept of hypothesis and its testing and application in various fields. |
| 17 | B.Sc. English | First Year (CBCS) | <u>Ability Enhancement Compulsory Course</u> |

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| | | | <ol style="list-style-type: none"> 1. Acquaintance with four skills of language 2. Knowing basic structure of English Grammar 3. Developing interest among students towards spoken English 4. Creating Positive approach towards Communicative English 5. Developing personality of students with knowledge of English language |
| | | Third Year CBCS | <ol style="list-style-type: none"> 1. Spoken communication and written communication. 2. Writing of Resume, letters of application, business letters. 3. Writing News-report, Essay, paragraph,, Review, etc. 4. Narration of experience, daily routine. 5. Interview Techniques. 6. Understanding and interpretation of poem, prose, essay, short stories, etc. |
| 18 | BBA | First year (CBCS) | <p><u>Fundamentals of Business Management</u> <u>CC-A1</u></p> <ol style="list-style-type: none"> 1. Students should be able to know, comprehend, apply, analyze, synthesize and evaluate the basic fundamentals of managing organizations. Students will complete specific activities, as identified in the syllabus, related to each of the four functions of management: planning, organizing, leading and controlling. 2. Have developed a working knowledge of fundamental terminology and frameworks in the four functions of management: Planning, Organizing, Leading and Controlling; 3. Be able to analyze organizational case situations in each of the functions of management; 4. Be able to identify and apply appropriate management techniques for managing contemporary organizations; and |

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| | | | 5. Have an understanding of the skills, abilities, and tools needed to obtain a job |
| | | | <p>Principles of Marketing CC-A2</p> <ol style="list-style-type: none"> 1. Understand the fundamentals of marketing. 2. Aware of the 4P's & 4C's of marketing mix. 3. Understand the consumer behavior and importance of market segmentation |
| | | | <p>Micro Economics CC-A3</p> <ol style="list-style-type: none"> 1. Learners will be able to explain meaning and scope of business economics 2. Learners will apply the concept and theories of demand and consumer behaviors' 3. Learners will apply concepts of factor pricing and production function in business practices 4. Learners will understand different markets and its pricing practices |
| | | | <p><u>Information Technology in Business Management Course Code: GEC-G1</u></p> <p>Students who complete this course should be able to:</p> <ol style="list-style-type: none"> 1. Understand basics of computer technology. 2. Identify software and networking technology for business. 3. Prepare documents, files and folders with the help of Ms-Word 4. Prepare power point presentations. 5. Analyze Business data using MS –Office. |
| | | | <p><u>Business Communication Paper I AECC-C1</u></p> <p>After the completion of the course, students will be able to</p> <ol style="list-style-type: none"> 1. Understand business communication 2. Develop vocabulary 3. Develop effective writing skills |

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| | | | <p>4. Develop effective reading skills</p> <p><u>Accounting for Managers CC-A4</u></p> <ol style="list-style-type: none"> 1. Understand the concepts in accountancy. 2. Prepare ledger accounts, subsidiary books and trial balance. 3. Demonstrate calculations of depreciation. 4. Prepare statements of accounts. |
| | | | <p><u>Human Resource Management, Paper-II CC-A5</u></p> <ol style="list-style-type: none"> 1 Describe human resource planning process 2 Describe selection procedure in detail 3 Describe the methods of management development 4 Describe different methods of training |
| | | | <p>Micro Economics CC-A3</p> <ol style="list-style-type: none"> 1. Learners will be able to understand concepts of national income and demand of supply of money 2. Learners will apply the principles and theories of inflation and business cycle 3. Learners will understand different concepts of public finance |
| | | | <p><u>Management Information system GEC-G2</u></p> <ol style="list-style-type: none"> 1. Understand basics Information System. 2. Understand working and applications of different information systems. 3. Study system development lifecycle. 4. Analyze the system requirement |
| | | Second Year CBCS | <p>A) Fundamentals of Entrepreneurship CC-B1</p> <ol style="list-style-type: none"> 1. Have a fair idea about aspects of entrepreneurship development 2. Understand the role of entrepreneurs, and the importance of entrepreneurship with the challenges and |

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| | | | <p>opportunities.</p> <ol style="list-style-type: none"> 3. Get acquainted with different theories of entrepreneurship 4. Understand the concept and role of woman entrepreneurs 5. Understand the concept of rural and social entrepreneurship |
| | | | <p>B) Cost Accountancy CC-B2</p> <ol style="list-style-type: none"> 1. Describe concepts in Cost Accountancy 2. Analyze methods of Costing, Cost Levels and methods of pricing material issues, Inventory Control Techniques 3. Define application of Marginal Costing Technique in decision making 4. Discuss Cost Audit and Cost Control Technique. |
| | | | <p>C) SERVICES MARKETING CCB 3</p> <ol style="list-style-type: none"> 1. Illustrate Services- it's concept, classification and importance 2. Compare goods and services 3. Demonstrate 7 P's of service marketing 4. Application of 7 P's for various service organizations 5. Develop 7 P's of marketing for a service organization |
| | | | <p>D) Forms of Business Organization GEC-G3</p> <ol style="list-style-type: none"> 1. Understand different forms of business organization. 2. Classify different sources of finance available & its influence on business decisions. 3. Illustrate different combinations of business. Understand new trends in management. |
| | | | <p>E) STATISTICAL TECHNIQUES (AECC-C3)</p> <ol style="list-style-type: none"> 1. Define descriptive Statistical techniques 2. Describe applications of statistical techniques. 3. Apply suitable statistical formula and calculate result. 4. Conclude degree of relationship of two variables and estimate unknown variable. |
| | | | <p>F) Entrepreneurship and Project Management CC –B4</p> |

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| | | | <ol style="list-style-type: none"> 1. Understand the process of project identification 2. have a fair idea about different institutions and schemes 3. Understand different methods of project appraisal 4. Understand the process of preparation of business plan |
| | | | <p>G) Management Accounting CC-B5</p> <ol style="list-style-type: none"> 1. Understand Management Accounting and Reporting to management 2. Understand tools and techniques of Management Accounting 3. Understand Financial Statement Analysis |
| | | | <p>H) RURAL AND RETAIL MARKETING CC-B6</p> <ol style="list-style-type: none"> 1. Develop understanding of concepts of rural and retail marketing. 2. Understand the current situation of rural marketing. 3. Analyze the marketing of agricultural inputs and products. 4. Understand retail formats, retail buying behavior and retailmarketing mix. |
| | | | <p>I) Research Methodology GEC-G4</p> <ol style="list-style-type: none"> 1. Define various terms used in research process 2. Describe research design, sample design and sampling methods 3. Apply appropriate methods for data collection for research work 4. Use appropriate statistical tools for data analysis and interpretation |
| | | | <p>J) STATISTICS FOR DECISION MAKING (AECC-C4)</p> <ol style="list-style-type: none"> 1. Define tools Statistics used for decision making 2. Describe applications of statistics for decision making. 3. Apply suitable statistical formula and estimate trend. 4. Construct control charts |
| | <u>BBA</u> <u>ENVIRON</u> | | <ol style="list-style-type: none"> 1. Understanding environmental concerns by |

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| | <u>MENTAL STUDIES</u> | | <p>the students at the undergraduate level.</p> <ol style="list-style-type: none"> 2. Understanding the relationship of man with the environment and help them change his attitude for more positive, proactive, eco-friendly and sustainable lifestyles. 3. Getting information about climate change, Global warming, Acid rain, Green house effect, Ozone, layerdepletion. 4. Cultivating attitudes to safeguard the environment built particularly with field experience. 5. Realization of the impact of human actions on the immediate environment and the linkage with the larger issues. 6. Getting information about Environment Protection Acts. |
| | | Third Year CBCS | <p>A) Fundamentals of Business Laws CC-C1</p> <ol style="list-style-type: none"> 1. Have a fair idea about aspects of different business laws in India 2. Understand the salient features & importance of different business laws. 3. Get acquainted with different provisions of business laws. |
| | | | <p>B) Human Skills CC-C2</p> <ol style="list-style-type: none"> 1. Develop different human skills among students 2. Enhance quality behavior. 3. To increase Emotional Quotient by learning values. 4. Understand about conflict management and stress management 5. Beneficial to cultivate professional skills among the management students and make them persons with empathy. 6. Understand about Career Management and career opportunities in Management. |
| | | | <p>C) Management Historians CC-C3</p> <ol style="list-style-type: none"> 1) Understand evolutionary phases of management approaches 2) Understand contribution of management historians |

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| | | | 3) Evaluate role of historian in developing science of management |
| | | | D) Digital Marketing DSE-A1 1. Learn the applications of Digital Marketing 2. Analyze the different digital marketing avenues. 3. Examine digital marketing tools. 4. Build real life problems in the domain digital marketing. |
| | | | E) Financial Management DSE B1 1. To understand the basic concepts Financial Management 2. To know about components of Working Capital Management 3. To understand Capital Structure ,Cost of Capital and Leverage |
| | | | F) Human Resource Planning DSE-C1 1. Understand the various functions of HRM. 2. Describe the Human Resource Planning Process. 3. Understand the Recruitment function in detail. 4. Describe the Selection process 5. Analyze the employee separation method. |
| | | | G) Mini-Project /Field Report DSE-A2/ DSE-B2/ DSE-C2 1. To identify the research problem and formulate objectives. 2. To choose appropriate methodology with proper tools and techniques. 3. To analyze and interpret the data collected from different sources. 4. To make decision or find out conclusions on the basis of data analysis. |
| | | | H) Fundamental of Taxation (Semester-VI) CC-C4 1. To understand the basic concepts in Taxation 2. To demonstrate the computation of income and tax liability 3. To understand concept of GST and its mechanism |
| | | | I) ORGANIZATIONAL BEHAVIOUR |

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| | | | <p>CC-C6</p> <ol style="list-style-type: none"> 1. Understand the basic concepts of OB 2. Understand the principles of learning 3. Describe the importance of attitude and values 4. Implement the theories of Motivation and Personality. 5. Understand and implement causes of stress and coping strategies |
| | | | <p>J) International Marketing DSE A3</p> <ol style="list-style-type: none"> 1. Understand basics of international marketing. 2. To provide students with a perspective of International Marketing management, its environment and complexities. 3. Study international marketing strategies. 4. Study functions of international trade. |
| | | | <p>K) Business Finance (Semester-VI) DSE-B3</p> <ol style="list-style-type: none"> 1. To understand the basic concepts Business Finance 2. To recognize Financial Markets , Mutual Funds, Portfolio Management and Micro Finance 3. To understand Corporate Restructuring and its ways. |
| | | | <p>L) Human Resource Development DSE – C3</p> <ol style="list-style-type: none"> 1. Understand the difference between HRM & HRD Concepts. 2. Understand the various subsystems involved in Human Resource development. 3. Describe and differentiate Training & development function. 4. Understand the methods of performance appraisal 5. Analyze the career development techniques. |
| | | | <p>M) Major Project DSE-A4/ DSE-B4/ DSE-C4</p> <ol style="list-style-type: none"> 1. To identify the research problem and formulate objectives. 2. To choose appropriate methodology with proper tools and techniques. 3. To analyze and interpret the data collected from different sources. |

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| | | | 4. To make decision or find out conclusions on the basis of data analysis. |
| | B.Com. (IT) | First Year | <p>Accountancy Paper-I</p> <ol style="list-style-type: none"> 1.To know Financial Accounting principles and practice as applicable to Information Technology 2. To understand basic Accounting concepts, conventions and standards. 3. To understands basic Accounting terms-types of Accounts, its Rules and its Applications 4. To understands recording and postings of transactions and preparation of trial balance. |
| | | | <p>Principles of Business Management</p> <ol style="list-style-type: none"> 1. Understand the importance of Administration and Management. 2. Understand Principles of Management in Traditional and Modern scientific way. 3. Learn about Co-ordination & Control, Principles and Techniques. 4. View Management techniques to be adopted to run the organization effectively by using Principles of Management. |
| | | | <p>Business Economics Paper-I</p> <ol style="list-style-type: none"> 1. To understand meaning and scope of business economics 2. Apply concepts and theories of Demand and Consumer behavior. 3. To understand supply side and demand side of market throughout production. 4. To apply Consumer behavior and Firm theory to Business situation. |
| | | | <p>Impression Management-paper I</p> <ol style="list-style-type: none"> 1. To make students familiar with the concept and techniques of Impression Management. 2. To espouse the students to acquire the skills of Impression Management required improving their employability. 3. To increase Communication skills. 4. To learn Business Etiquettes. |
| | | | Fundamentals of Information Technology |

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| | | | <ol style="list-style-type: none"> 1. To impart the basic knowledge of Information and application of software. 2. Prepare document files and folders with the help of MS-Word. 3. Identify the software and networking technology of business. 4. Analyze business data using MS-Office. |
| | | | <p>Lab-Course (Information Technology)</p> <ol style="list-style-type: none"> 1. To apply practical knowledge using Information Technology concepts. 2. To know how to use MS-Office suite i.e. MS-Word, MS-Excel, MS-Power point 3. To use and create Word document, Mail-Merge, PPT presentations and Excel formulas. 4. To develop the skills in handling of application software's to the students. |
| | | | <p>Accountancy Paper-II</p> <ol style="list-style-type: none"> 1. To know trading results of Non-Trading Concerns & preparation of Receipts and Payments accounts. 2. To understand basic Accounting concepts, conventions and standards. 3. To understand basic Accounting terms- types of Accounts, its Rules and its Applications 4. To understand features of Tally package. |
| | | | <p>Principles of Marketing</p> <ol style="list-style-type: none"> 1. To help the students to understand the concepts & principles of Marketing & their applications. 2. To provide basic knowledge of 7 P's of Marketing, retailing. 3. Learn about segmentations and E-Advertising Media's. 4. To know how to apply Marketing concepts in IT i.e. E-Marketing |
| | | | <p>Business Economics-Paper II</p> <ol style="list-style-type: none"> 1. To understand meaning and scope of business economics 2. Apply concepts and theories of Demand and Consumer behavior. 3. To understand supply side and demand side of market throughout production. 4. To apply Consumer behavior and Firm theory to Business situation. |

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| | | | <p>Impression Management-paper II</p> <ol style="list-style-type: none"> 1. To make students familiar with the concept and techniques of Impression Management. 2. To espouse the students to acquire the skills of Impression Management required improving their employability. 3. To increase Communication skills. 4. To learn Business Etiquettes. |
| | | | <p>Database Management System</p> <ol style="list-style-type: none"> 1. To know and create awareness about Database Management System. 2. To store, retrieve & process the data with the help of MS-Access. 3. To know how to apply DBMS concepts in real life. 4. To knows the fundamentals elements of SQL & RDBMS. |
| | | | <p>Lab-Course (Database-MS-Access)</p> <ol style="list-style-type: none"> 1. To apply practical knowledge using MS-Access concepts. 2. To know how to use the basics of MS-Access i.e. creation of table, addition, retrieval, deletion of records. 3. To create simple queries, form and report design. 4. To develop the skills in handling Database to the students. |

COC/ Certificate Course / Short Term Course / Value Added Course

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| | BBA | 1) Certificate Course in Share Market | <ol style="list-style-type: none"> 1) To provide fundamental knowledge of share market. 2) To make aware students about investment. 3) To inform students about basic aspects of investment. |
| | Chemistry | 2) Short Term Course in NMR interpretation | <ol style="list-style-type: none"> 1) This course helps for preparation of industrial interview. 2) Students will get knowledge of problem solving ability. 3) Able to crack competitive examination like M.Sc. Entrance. 4) To build self confidence among the students |

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| | | | to be conscious towards the career in R & D section in various industries. |
| | Psychology | Basic Counselling Skills | <ol style="list-style-type: none"> 1) To familiarize students with the field of Counselling Psychology. 2) To improve students interaction through the use of counselling psychology. 3) Students will be introduced to the applications of counselling Psychology in the field of career, marriage couple, & family counselling. |
| | Maths | Certificate course in SCILAB programming | <ol style="list-style-type: none"> 1) To provide the foundation of Programming in Scilab. 2) Able to develop Programming in Scilab. 3) Perform mathematical graphs, modelling in Scilab. 4) Good understanding of mathematical concepts in Scilab. |
| | Botany | Gardner Trainer | <ol style="list-style-type: none"> 1) Students are able to understand basics of landscape gardening. 2) Students got hands on training in grafting techniques for fruit & flower plants. 3) Students were able to start their own kitchen garden. 4) Students got skills of bonsai making. |
| | Commerce | Analysis of Financial Statement | <ol style="list-style-type: none"> 1) Understanding the basic financial statement. 2) Explain the liquidity Analysis. 3) Explain the Solvency Analysis. 4) Explain the Profitability Analysis. |
| | Sociology | Value added Course - Human Rights | <ol style="list-style-type: none"> 1) To provide the conceptual understanding about the human rights. 2) To understand the nature & role of Human Rights in India. |

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| | | | <p>3) Identify issues & problems relating to the realization of human rights.</p> <p>4) Educate the society about the human rights & duties in order to create responsible citizens.</p> |
| | English | English Basic Grammar | <p>Students will be able to</p> <p>1) Identify the verb & its form.</p> <p>2) Learn past, present & future tense with their types.</p> <p>3) Write sentences using appropriate tense.</p> <p>4) Speak English language using appropriate tense.</p> |
| | Hindi | Certificate Course in Anchoring | <p>फलनिष्पत्ति (Outcomes)</p> <p>CO-1 छात्र सूत्रसंचालन की प्रविधि, प्रकार तथा साधन से अवगत हो जाएंगे।</p> <p>CO-2 छात्रों को सूत्रसंचालन क्षेत्र के रोजगार के अवसरों की जानकारी मिलेगी।</p> <p>CO-3 छात्रों को सूत्रसंचालन का शास्त्रीय ज्ञान प्राप्त होगा।</p> <p>CO-4 सूत्रसंचालन क्षेत्र में रुचि रखनेवाले छात्रों का प्रात्यक्षिक की सहायता से आत्मबल बढ़ेगा।</p> |
| | Economics | Certificate Course on Fundamental & Technical Analysis | <p>On successful completion of the course students will be able to</p> <p>1) Proper decision of investment.</p> <p>2) Understanding financial data of various companies.</p> <p>3) Understand various techniques use for financial statement.</p> <p>4) Able to understand online trading.</p> <p>6) Able to open D-mat account.</p> |
| | Marathi | Unicode | <p>१) युनिकोड टंकलेखनाद्वारे शासनमान्य टंकलेखनाचे उपयोजन वाढेल.</p> <p>२) युनिकोड टंकलेखनामुळे विद्यार्थ्यांना व्यावसायिक संधी मिळेल.</p> <p>३) टंकलेखन व्यवहारात युनिकोड टंकलेखनाचे महत्व वाढेल.</p> <p>४) युनिकोड टंकलेखन कला अधिकाधिक वापरात येईल.</p> |

Dr. Ghali College Gadhinglaj
Academic Year-2021-2022
Programme Outcomes [PG]

| Sr. No. | Degree Programme | Programme Outcomes |
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| 1. | M.A. | <p>A student who has taken admission into this program is to be always aware of following outcomes:-</p> <ul style="list-style-type: none"> i Entire study of discipline. ii Mastery of subject knowledge. iii Mature personality for employability. iv Skills of employment. v Ability to work/serve. vi Critical thinking vii Sense of creativity. viii Language skills. ix Research talent/spirit. x Interview technique and team spirit. |
| 2 | M.Com. | <p>Students who have taken admission to this program of B.Com are expected to concentrate upon the following outcomes.</p> <ul style="list-style-type: none"> g. Commercial sense. h. Develop managerial skills. i. Entrepreneurial skill. j. Budgeting policy. k. Human Resources Management. l. Develop Numerical ability. ii. Well versed with business regularity framework. |
| 3 | M.Sc. | <ul style="list-style-type: none"> 1. Knowledge of the concepts through theoretical understanding of the principles of Chemistry and Microbiology 2. Basic understanding in the major area(s) of research and acquire basic tools needed to carry out minor research projects. 3. The ability to implement chemistry in an integral activity of social, economic and environmental problems. 4. Skills in problem solving, critical thinking and analytical reasoning in designing problems in research. |

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| | | 5. Knowledge of for safe handling of chemicals in research and applied chemical laboratory. |
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Dr. Ghali College Gadhinglaj
Programme Specific Outcomes

| Sr. No. | Degree Programme | Programme Specific Outcomes |
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| 1. | M.A. (Hindi) | <ol style="list-style-type: none"> 1. Job opportunities in language translation 2. Job opportunities in Radio Jockey & Aakashvani sector as speaker 3. Opportunities in news channels as anchor 4. Platform to make career in competitive examinations |
| 2 | M.A. (English) | <p style="text-align: center;">A student, who is admitted to this program of M.A. with entire English as specific subject, the institute has set outcomes before the student asfollowing:-</p> <ol style="list-style-type: none"> 1 Deep study of English as language and grammar. 2. Vast knowledge of English literature 3. Major and changing trends in world literatures in English language. 4. Critical interpretation and Analysis of literature. 5. Scholarship in English language and literature for his /her personality building |
| 3 | M.A (ECONOMICS) | <ol style="list-style-type: none"> 1. Job opportunity at Junior college/Senior college level lectureship 2. Career in Banking/Finance/Co-operativesector. 3. Required minimum qualification for M. Phil. and Ph.D. 4. Understanding economic activities/planning/budget. |
| 4 | M.A (SOCIOLOGY) | <ol style="list-style-type: none"> 1) Getting the latest sociological knowledge pertaining to various sub-fields within the discipline of sociology. 2) Orientation for comprehending, analyzing and critically assessing the social reality |

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| | | <p>from sociological perspective.</p> <p>3) Inculcating the analytical ability, research aptitude and relevant skills in the students useful for their social and professional life.</p> <p>4) Preparing for undertaking research, jobs in Colleges /Universities /Research Institutions, various Government Departments and Nongovernmental organizations as well as for various competitive examinations.</p> |
| 5 | M.COM. | <p>A student, who is admitted to this program of M.Com. with advanced Accounting as special subject, the institution has set outcomes before the students as follows</p> <ol style="list-style-type: none"> 1. Applying qualitative skills to help to analyze and solve business problems 2. In depth study of accounting transactions of profit and non-profit making organizations. 3. Ability to analyse financial data for managerial decisions 4. Knowledge of Auditing Principles & techniques. 5. Ability to compute taxable income of partnership firm and HUF. <p>Knowledge about Cost Accounting Procedure and technique</p> |
| 6 | M. Phil. (English) | <p>The candidates shall take up three out of many specific papers on advanced topics and on research methodology and submit a dissertation.</p> <p>The first year of the course shall be devoted to course studies and second year of the course will be devoted for dissertation.</p> |
| 7 | M. Sc. (Analytical Chemistry) | <ol style="list-style-type: none"> 1. Aptitude and skill necessary to pursue research as a career. 2. Skill necessary to be employed in the various sectors like chemical, Pharmaceutical, food and materials industries. 3. Competency to clear competitive examination. |

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| 8 | M. Sc. (General Microbiology) | <ol style="list-style-type: none"> 1. It also envisages that the students read original research publications and develop the ability of critical evaluation of study. 2. In the core courses, the students study the basics of Microbiology along with the basics of subjects allied to and useful in Microbiology (Techniques, Biostatistics, Computer handling and Bioinformatics, Scientific Writing and pharmaceutical) 3. During this program students undertake a Research Project/ Industrial Training in which the student is expected to study research methodology through experimental work, literature survey and report writing. 4. In Industrial training and Educational tour help students to study Microbiological aspect in the Industry and provide actual microbiological applications in various fields respectively. |
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Dr. Ghali College Gadhinglaj

Course Outcomes

| Sr. No. | Degree Programme | Year of Programme | Course Outcomes |
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| 1. | M.A. (Hindi) | First Year (CBCS) | Paper-I Ancient Poems <ul style="list-style-type: none"> ➤ To acquaint with ancient or medieval poems ➤ To familiarize with the poems of present era and its significance. |
| | | | Paper -2 History of Hindi Literature <ul style="list-style-type: none"> ➤ To familiarize & introduce the significance & essence of history of literature ➤ To learn various medieval poem |
| | | | Paper -3 Linguistic <ul style="list-style-type: none"> ➤ To introduce various various forms & nature of language in g ➤ To introduce Hindi language in general |
| | | | Paper -4 History of Hindi Short Story <ul style="list-style-type: none"> ➤ To familiarize with dramatist writers & their artifacts |

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| | | | <ul style="list-style-type: none"> ➤ To know about dramatists & writers & importance of their work in present era |
| | | | Paper- 5 Modern Hindi Poetry <ul style="list-style-type: none"> ➤ Adunik Hindi kavyakerupmainavinBhavbhumi or Vaicharikgatishilatako explain karana ➤ To explain that different forms of modern Hindi poetry is source of inspiration & energy |
| | | Second Year (CBCS) | Paper-1 Criticism <ul style="list-style-type: none"> ➤ To explain the relevance & reality of literature ➤ To study literature in contest of society & culture |
| | | | Paper-2 History of Hindi Literature <ul style="list-style-type: none"> ➤ To study the psyche of human beings & explain their forms of sensitivities. ➤ To understand & consider changed process of development through history of literature |
| | | | Paper-3 Translation Theory & Practical <ul style="list-style-type: none"> ➤ To acquaint the translation to open the various platforms of foreign language ➤ To explain the language of social media for sake of employment |
| 2 | M.A. (English) | First Year (CBCS) | Poetry in English- Major poets and their poetic writings with changing trends. |
| | | | Fiction in English- Major novelists and their writings with changing trends of world literature. |
| | | | Modern Linguistics- Major Concepts and usages of English language. |
| | | | British Literature- Chief Developments of English literature from Renaissance to Romantic Age. |
| | | Second Year (CBCS) | Drama in English- Main Dramatists and their contribution to English literature. |
| | | | Critical Theories- Critical Theories and Modern criticism, application of these critical theories to literary writing. |
| | | | British Literature From Pope to the end of 19th Century- |

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| | | | Major features of British literature in the Augustan Age, Neo-classical Age & Romantic Age. |
| | | | Modern and post modern British Literature – Main tendencies of British Literature in modern and post modern era. |
| 3 | M.A. (Economics) | First Year (CBCS) | <p><u>MICRO ECONOMIC ANALYSIS EC-1 (Core/ Compulsory Paper)</u></p> <ol style="list-style-type: none"> 1. To equipping the students in a rigorous and comprehensive manner with the various aspects of consumer behavior and demand analysis, production theory and behavior of costs, the theory of traditional markets and equilibrium of firm in modern non -profit maximizing framework in theory and application as well. 2. Deals with the micro theories of distribution, welfare economics, and general equilibrium in closed and open systems and analysis of economic behavior under uncertainty. |
| | | | <p><u>MONETARY ECONOMICS EC – 2 (Core/ Compulsory Paper)</u></p> <ol style="list-style-type: none"> 1. It provides essential and thorough knowledge to the economics students relating to the theoretical aspects of money. 2. It covers various approaches towards evolution of money, demand for money, supply of money, and rate of interest, inflation, agencies which creates and supplies |

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| | | | <p>money and operates monetary policy.</p> <p>3. The paper also deals with Keynesian and post-Keynesian economics, which is a most essential part of the monetary economics.</p> |
| | | | <p><u>Agricultural Economics EO- 2 (Elective / Optional Paper-)</u></p> <p>1. To provide a detailed treatment of issues in agricultural economics to those intending to specialize in this area.</p> <p>2. It intends to familiarize students to analyze the issues related with agricultural and economic development, agricultural production function, agricultural demand and supply, farm management and agricultural risk management.</p> <p><u>EO 4– (Elective / Optional Paper) PRINCIPLES AND PRACTICE OF CO-OPERATION</u></p> <p>1. To know cooperative movement has a long history of more than hundred years.</p> <p>2. To study Indian cooperative structure is one of the largest networks in the world.</p> <p>3. The paper deals with structure of cooperatives, different types of credit and non credit cooperatives. It also covers various cooperative institutions operating at the national level.</p> |
| | | | <p>PUBLIC ECONOMICS (EC – 3 Core / Compulsory Paper)</p> <p>1. Role and functions of the Government in an economy have been changing with the passage of time.</p> <p>2. This course/paper combine a thorough under</p> |

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| | | | <p>standing of fiscal institutions with a careful practical analysis of the issues which underlie budgetary policies.</p> |
| | | | <p>ECOLOGICAL AND RESOURCE ECONOMICS EC – 4 (Core/ Compulsory Paper)</p> <ol style="list-style-type: none"> 1. To study new branches of Economics such as Resource Economics, Environmental Economics, Ecological Economics have been merged. 2. To study the efforts being undertaken for rapid and all round development which is contributing to rapid deterioration of quantity and quality of the natural resources as a result, there is much discussion going on the planned use of the natural resources. |
| | | | <p>AGRICULTURAL DEVELOPMENT IN INDIA EO- 11 (Elective / Optional)</p> <ol style="list-style-type: none"> 1. The paper analyses the development of Indian agriculture after the independence. 2. To study the efforts made by the Government in the five year plans are included in this course. 3. To study the role of technology, bio - technology, trade, agricultural marketing and price policy has to be studied with reference to Indian economy. |

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| | | | <p>Financial Markets and Institutions EO- 15 (Elective/Optional Paper)</p> <ol style="list-style-type: none"> 1. To study the positive and significant role of financial institutions in the process of growth and development has been very well recognized in the literature. 2. To indeed has become more important during the last two decades as the financial systems of different countries have become integrated in the process of globalization. |
| | | Second Year (CBCS) | <p>STATISTICS IN ECONOMIC ANALYSIS EC -5 (Compulsory Paper)</p> <ol style="list-style-type: none"> 1. To train the students to use the techniques of statistical analysis, which are commonly applied to understand and analyze economic problems. 2. To emphasis of this paper is on understanding economics with the help of quantitative techniques. 3. Students will be initiated into various economic concepts, which are amenable to mathematical treatment. |
| | | | <p>MACRO ECONOMIC ANALYSIS EC – 6 (Compulsory Paper)</p> <ol style="list-style-type: none"> 1. To study functional relationship between the large aggregates. 2. To equip the students at the postgraduate level to understand systemic facts and latest theoretical developments for |

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| | | | empirical analysis. |
| | | | <p>INDIAN PUBLIC FINANCE EO –22 (Elective paper)</p> <ol style="list-style-type: none"> 1. To analyze important issues in Indian public finance in the context of the India's economic development. 2. It deals with the effectiveness of public finance in India. 3. To provide a detailed treatment of issues in Indian public finance to those intending to specialize in this area. 4. Student will know the public revenue, public expenditure, debt, budgets and federal finance system in India. This paper also intends to familiarize students to analyze the issues related with tax system, expenditure programs and debt issues, deficit financing, federal finance and stabilization instruments. |
| | | | <p>ECONOMICS OF TRANSPORT AND COMMUNICATION EO–23 (Elective Paper)</p> <ol style="list-style-type: none"> 1. To study efficiency, spread and its access to productive agents of such facilities determine the competitiveness of the industrial sector. 2. To study role of communication in economic development is also equally important. 3. To study modern communication means |

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| | | | <p>like internet, telephone and TV are now converging into one mega and multifaceted tool which may have long term impact.</p> |
| | | | <p>INTERNATIONAL ECONOMICS EC-7 (Compulsory Paper)</p> <ol style="list-style-type: none"> 1. Provides a deep understanding about the broad principles and theories, which govern the free flow of trade in goods, services and capital—both short term and long term—at the global level. Besides, preparing the students about the relevance and limitations of these principles. 2. The contents of the papers spread over different units, lay stress on the theory and nature of the subject which, in turn, will greatly help them to examine the impact of the trade policies followed both at the national and international levels as also their welfare implications at macro level and the distribution of gains from trade to North and South. 3. To train the students about the various issues of trade and likely consequences on income, employment and social standards and possible policy solutions as the world will move into the 21st century. |
| | | | <p>ECONOMICS OF GROWTH AND DEVELOPMENT EC -8 (Compulsory paper)</p> <ol style="list-style-type: none"> 1. To study theories of growth and development, social and sectorial aspects of development, importance of agriculture and industry, the rationale and pattern of industrialization in developing countries. 2. To study important issues related to development such as policy environment, infrastructure –linkages, role of international trade, role of |

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| | | | <p>monetary and fiscal policies, investment criteria and relevance for planning have been included.</p> <p>3. This paper deals with the theoretical aspects of the process of growth and development including the role of agriculture and industry as well as the role of the state.</p> |
| | | | <p>CO-OPERATIVE THOUGHTS AND ADMINISTRATION EO – 32 (Elective Paper)</p> <p>1. To Study Co-operative movement, now-a-days has become a part of total economic activities.</p> <p>2. It will study not only an economic movement, but also social, political and ethical movement, enriching total human life.</p> <p>3. Helps to proper understanding of co-operative thoughts and administration is a prerequisite for study of co-operative movement.</p> |
| | | | <p>ADVANCED BANKING EO – 36 (Elective paper)</p> <p>1. This paper provides detailed information about the advancement in Indian banking system.</p> <p>2. Though this paper we intended to aware the students about banking technology, recent trends in banking sector.</p> <p>3. Provided the opportunity to the students to acquire specific skills which are required for working banking sector.</p> |
| 4. | M.A. (SOCIOLOGY) | First Year (CBCS) | <p><u>CLASSICAL SOCIOLOGICAL TRADITIONS :</u></p> <p><u>MARX, DURKHEIM AND WEBER</u></p> <p>1. To equip the students with an understanding of historical, socio-economic and intellectual</p> |

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| | | | <p>forces in the rise of sociological theory.</p> <ol style="list-style-type: none"> To make the students understand the sociological theories of Karl Marx, Emile Durkheim and Max Weber. |
| | | | <p><u>UNDERSTANDING INDIAN SOCIETY</u></p> <ol style="list-style-type: none"> To make the students understand the diversity and unity in Indian Society. To familiarize the students about the major segments in society, the traditions, continuities and changes taking place in Indian society. |
| | | | <p><u>RURAL SOCIETY IN INDIA</u></p> <ol style="list-style-type: none"> To provide sociological understanding of rural social structure, change and development in India. To develop skills among the students for contributing to the reconstruction of rural institutions/rural development programmes in terms of planning and critically evaluating the same. |
| | | | <p><u>EDUCATION AND SOCIETY</u></p> <ol style="list-style-type: none"> To orient the students to the sociological perspective to education. To introduce students to inter-relationships between educational system and other aspects of society. |
| | | | <p><u>CLASSICAL SOCIOLOGICAL TRADITIONS :</u> <u>PARETO, COOLEY AND MEAD</u></p> <ol style="list-style-type: none"> To introduce the students to major ideas of Vilfredo Pareto, C.H. Cooley, and G. H. Mead. |

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| | | | <ol style="list-style-type: none"> To develop insights for understanding the later developments in sociological Theory. |
| | | | <p style="text-align: center;"><u>PERSPECTIVES ON INDIAN SOCIETY</u></p> <ol style="list-style-type: none"> To sensitize the students to diverse as well as the interconnections of theoretical perspectives on Indian Society. To introduce the contributions of select Indian Sociologists to the students. |
| | | | <p style="text-align: center;"><u>URBAN SOCIETY IN INDIA</u></p> <ol style="list-style-type: none"> To acquaint the students with basic concepts in urban sociology and urban ecological theories. To make students understand the process of urbanization, its social consequences and different urban problems in India. |
| | | | <p style="text-align: center;"><u>POLITICAL SOCIOLOGY</u></p> <ol style="list-style-type: none"> To introduce the students to the basic concepts in and field of political sociology. To orient the students to the various theoretical approaches in Political Sociology and political processes in India. |
| | | Second Year (CBCS) | <p style="text-align: center;"><u>MODERN SOCIOLOGICAL THEORIES</u></p> <ol style="list-style-type: none"> To acquaint the students with the concept of theory and relationship between theory and research. To introduce the students to the schools of thought that dominated sociology in the later half of the 20th century. |
| | | | <p style="text-align: center;"><u>METHODOLOGY OF SOCIAL RESEARCH</u> <u>(WITH PRACTICAL)</u></p> <ol style="list-style-type: none"> To impart knowledge to the students regarding the fundamentals of methodology |

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| | | | <p>of social research.</p> <p>2. To give practical training in use of research techniques by assigning project work.</p> |
| | | | <p><u>SOCIOLOGY OF MIGRATION</u></p> <p>1. To orient the students to various aspects of migration.</p> <p>2. To make the students understand the importance of migration in the process of social change and development.</p> |
| | | | <p><u>HUMAN RIGHTS AND SOCIETY</u></p> <p>1. To acquaint the students with the conceptual, philosophical, theoretical aspects of Human Rights and Duties; and</p> <p>2. To familiarize the students with the Human Rights and Constitution of India.</p> |
| | | | <p><u>RECENT TRENDS IN SOCIOLOGICAL THEORY</u></p> <p>1. To acquaint the students with some of the recent theoretical perspectives in sociology.</p> <p>2. To develop analytical skills among the students through the study of theoretical perspectives.</p> |
| | | | <p><u>DATA COLLECTION AND ANALYTICAL PROCEDURES (WITH PRACTICAL)</u></p> <p>1. To give knowledge to the students regarding techniques of data collection.</p> <p>2. To give practical training regarding use of techniques of data collection, analytical procedures, statistical measures and computers.</p> |
| | | | <p><u>RURAL DEVELOPMENT IN INDIA</u></p> |

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| | | | <ol style="list-style-type: none"> 1. To enrich students' understanding about the changing nature of rural development in India. 2. To study critically the impact of various developmental schemes/programmes introduced for rural development. |
| | | | <p><u>SOCIOLOGY AND SOCIAL WORK</u></p> <ol style="list-style-type: none"> 1. To orient the students to the field of social work education. 2. To make clear the relevance of sociology to social work practice. |
| 5 | M.Com. | First year (CBCS) | <p>Management concepts and organizational Behaviour – Paper – I & II</p> <ol style="list-style-type: none"> 1. Understand the theoretical aspects of Management and strategic management 2. Describe the contemporary issues in management 3. Describe theoretical concepts of organizational behavior 4. Summaries adoption of organizational culture. |
| | | | <p>Managerial Economics Paper – I & II</p> <ol style="list-style-type: none"> 1 Students should able to understand the variables and components of managerial economics 2 Students should study the applications of demand analysis and concepts related consumers behaviors 3 Students should aware regarding production, price determination and pricing practices and they should able to apply these in business-decision making policies. 4 Students will understand the global economic and business world. 5 Students will equip with proper knowledge abilities and skills of international business environment. |
| | | | <p>Advanced Accounting Paper No. I & III</p> <ol style="list-style-type: none"> 1. Understanding concept of accounting Standards and practical implementation of AS-1 and AS-2. |

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| | | | <ol style="list-style-type: none"> 2. Perfection in preparing the consolidated financial statements of holding company and its subsidiaries 3. Understanding of preparation of financial statement of insurance companies. 4. Perfection in accounting of different types of co-operatives. 5. Understanding the concept of social responsibilities accounting, environment accounting and human resource accounting. |
| | | | <p>Advanced Accountancy Paper No. II & IV</p> <ol style="list-style-type: none"> 1. Understand the basic concepts & objectives of audit 2. To identify the skills & techniques of conducting audit of various entities. 3. To know recent trends in practice of audit 4. Designing research protocol for research problem 5. Preparation of the instrument for data collecting 6. Ability of analysis and interpretation of data |
| | | Second Year (CBCS) | <p>Business Finance Paper – I & II</p> <ol style="list-style-type: none"> 1. Creating awareness among the students about finance function and general principles of businessfinance. 2. Acquaintance with various sources offinance. 3. Getting knowledge about capital market of India and portfoliomanagement. 4. Acquainted with the corporate restructuring and internationalfinance. |
| | | | <p>Management Accounting Paper – I & II</p> <ol style="list-style-type: none"> 1. Knowledge about the application of accounting techniques formanagement. 2. Understanding of management accountingconcepts. 3. Acquaintance with nature, scope and objective of managementaccounting. 4. Understanding conceptual frame work of managementaccounting. 5. Basic knowledge of analysis of financial statements, determination of working capital, budgeting and Profitplanning. |
| | | | <p>Advanced Accountancy (Taxation) (Project Work/Viva-Voce) Paper – I & II</p> <ol style="list-style-type: none"> 1) To know the basic concept related to income tax. 2) To acquaint with knowledge and skills of computing taxable income of differentbusiness |

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| | | | <p>entities.</p> <ol style="list-style-type: none"> 3) To practice with e-filing of income tax return and online payment. 4) To gain knowledge about GST. 5) To choose appropriate methodology with proper tools and techniques 6) To identify the research problem and formulate objectives. |
| | | | <p>Advanced Accountancy (Costing) (Contemporary Issues in Accounting) Paper VII & VIII</p> <ol style="list-style-type: none"> 1. To acquire the knowledge of elements of cost and cost sheet. 2. To acquaint the knowledge and skill to prepare job cost sheet and contract account. 3. To explain the costing process for processing units and service organizations. 4. To understand to reconcile the cost and financial accounts. |
| 6. | M.Phil. (English) | | <p><u>Research Methodology (Theory)</u></p> <ol style="list-style-type: none"> 1. Fundamentals of research, objectives, process methods and methodology, criterion of goodresearch. 2. Types of research, Research Degree, Presentation. |
| | | | <p><u>RECENT TRENDS IN ENGLISH STUDIES</u> The student should acquaint with the latest approaches to language and literature. He/she should enable to apply these approaches to literary works and/or language. Then the students have to declare the habit of making background reading with the help of various conventional and technological sources.</p> |
| | | <u>ELECTIVE PAPER (One out of four)</u> | <p>i) Modern British Literature (1980-2000) A study of major trends and literary movements in modern British Literature and in depth study of these major writers- a poet, a novelist and adramatist</p> |
| | | | <p>ii) <u>New Literature in English</u>A study of the major trends and movements in African ,</p> |

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| | | | Caribbean, Australian, Canadian and Indian Literature. |
| 7. | M.Sc. CHEMISTRY | First Year (SEM I) (CBCS) | <p>Inorganic Chemistry The students learn about</p> <ol style="list-style-type: none"> 1) Chemical Bonding and formation of complexes. 2) Molecular Symmetry and Group Theory , 3) Solid state Chemistry and 4) Nanomaterials, its characterization & applications. <p>Inorganic Chemistry Practical The student learns to analyze the ores and alloys sample and handle different types of instrument.</p> |
| | | | <p>Organic Chemistry The students learn about</p> <ol style="list-style-type: none"> 1) Thermodynamic and kinetic requirement and mechanism of a reaction, 2) Acid Base reaction, 3) Nucleophilic substitution reaction and 4) Aromaticity, Stereochemistry, and oxidation and reduction. <p>Organic Chemistry practical The student learn to setup one step reaction and short preparation of organic compounds and check purity by TLC.</p> |
| | | | <p>Physical Chemistry To understand the concept of</p> <ol style="list-style-type: none"> 1) Thermodynamics, 2) Quantum Chemistry, 3) Chemical Dynamics, and 4) Electrochemistry. <p>Physical Chemistry practical The student will be skilled in handling the</p> |

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| | | | <p>different types of instrument practically. E.g. to find out pka values, activity coefficient, solubility product etc.</p> |
| | | | <p>Analytical Chemistry The student learn about</p> <ol style="list-style-type: none"> 1) language and quality of analytical chemistry, 2) lab safety, preparation of solutions numerically, 3) optical and thermal methods etc. <p>Analytical Chemistry practical The students learn to prepare resin Column, NaCl in saline by Volhard,s” method.</p> |
| | | SEM II (CBCS) | <p>Inorganic Chemistry The student learn about</p> <ol style="list-style-type: none"> 1) Inorganic Reaction Mechanism, 2) Organometallic Chemistry of Transition metals, 3) Environmental Chemistry and 4) Bioinorganic Chemistry. <p>Inorganic Chemistry practical The student learns to prepare the different types of complex and handling of the instrument.</p> |
| | | | <p>Organic Chemistry The student learn about</p> <ol style="list-style-type: none"> 1) Different types of reaction mechanism and rearrangement, 2) Introduction to Molecular Orbital Theory for Organic Chemistry, 3) NMR spectroscopy and 4) Mass spectroscopy etc. <p>Organic Chemistry practical</p> |

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| | | | <p>The student learns practically Separation of Binary mixture using micro-scale technique and identification.</p> |
| | | | <p>Physical Chemistry The student learn about</p> <ol style="list-style-type: none"> 1) Chemical Thermodynamics (Real gases), 2) Quantum Chemistry, 3) Chemical Kinetics and Molecular Reaction Dynamics, 4) Solid State Chemistry and Phase Equilibria etc. <p>Physical Chemistry practical The student learns practically about phase diagram, polar plot of atomic orbitals and handling different types of instrument.</p> |
| | | | <p>Analytical Chemistry The student learns about</p> <ol style="list-style-type: none"> 1) Different types of Chromatography, 2) Spectroscopy, 3) Surface Analytical Techniques, 4) Electroanalytical Methods. <p>Analytical Chemistry Practical The student will be skilled in handling the different types of instruments practically. e.g. purity of washing soda, pH metry, conductometer, potentiometer etc.</p> |
| | <p>M. Sc. (General Microbiology</p> | <p>First Year (SEM I) (CBCS)</p> | <p>TAXONOMY AND MICROBIAL DIVERSITY</p> <ol style="list-style-type: none"> 1. The students learn about Plant and bacterial classification from kingdom to Species. <p>Taxonomy and microbial diversity Practical</p> <ol style="list-style-type: none"> 1. The student learns to Isolation techniques of fungi Characterization of different |

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| | | | bacterial species and handles different types of instrument. |
| | | | <p>VIROLOGY</p> <p>1. The students learn about The Viruses and their life cycle. And transmission of viral diseases.</p> <p>Virology practical</p> <p>1. The student learns about Mutation effect and virus isolation techniques.</p> |
| | | | <p>GENETICS AND MOLECULAR BIOLOGY</p> <p>1. To understand the concept of Molecular biology of cell, Origin of life, evolution on molecular basis.</p> <p>Genetics and molecular biology practicals practical</p> <p>1. The student learn about Isolation and transformation techniques of DNA and RNA</p> |
| | | | <p>IMMUNOLOGY</p> <p>1. The student learns about Immunological techniques in disease diagnosis, transplantation process.</p> <p>Immunology practical</p> <p>1. The students learn about antigen antibody testing.</p> |
| | M. Sc. (General Microbiology) | SEM II (CBCS) | <p>Techniques In Microbiology</p> <p>1. The students learn the theory behind the techniques as well as analysis of the resulting data. This course integrates theory and practice and to ensure the students understand why and how each technique is used.</p> <p>Tools and techniques practical</p> <p>Students learn practically about various techniques in microbiology to enhance practical skill in microbial techniques used in research and industries.</p> |

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| | | | <p>Microbial Physiology, Biochemistry and Metabolism</p> <ol style="list-style-type: none"> 1. The student learns about molecular mechanisms involved during growth with respect to biochemical approaches. <p>Microbial Physiology, Biochemistry and Metabolism</p> <ol style="list-style-type: none"> 1. The student learns practically about determination of bimolecular as well as effect of hypertonic and hypotonic solution on cell growth. |
| | | | <p>Medical Microbiology</p> <ol style="list-style-type: none"> 1. The student learns about basics of disease of causing process. Students are provided with the knowledge of necessary informatics for diagnosis, therapy and prevention of the infectious diseases. <p>Medical Microbiology Practical</p> <ol style="list-style-type: none"> 1. The student learn practically about water, air, skin microflora as well as study about microbial interaction, detection of siderophores, and isolation of ruminant bacteria from animal gut. |
| | | | <p>Microbial Ecology</p> <ol style="list-style-type: none"> 1. The student learns about global ecosystem. This course creates a platform for students to investigate 2. and explore microbial activities for welfare of human being. <p>Microbial Ecology Practical</p> <ol style="list-style-type: none"> 1. Students learn practically about identification of bacteria by using Bergey's Manual of Systematic Bacteriology as well as isolation of various microorganisms from urine. |