

Adivasi Pragati Mandal Sanchalit

Com. Godavari Shamrao Parulekar College of Arts, Commerce and Science Talasari, Dist-
Palghar

Programme, Subject and Course Outcomes

| FACULTY | CLASS | SUBJECT | SEMESTER | COURSE OUTCOMES |
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| ARTS | FYBA (A) | FOUNDATION COURSE | I | 1. To understand the pluralistic nature of Indian society 2. To sensitise about the gender disparity in society. 3. To understand diversity as difference and disparity as inequality. 4. To understand the philosophy and structure of the Constitution of India and government bodies working at different levels of government administration 5. To create awareness about growing social problems in India |
| | | FOUNDATION COURSE | II | 1. To understand the impact of globalisation on Indian society 2. To introduce the concept of Human Rights and fundamental rights 3. To understand the importance of environment and sustainable development 4. To recognize factors that cause stress and conflict in present times 5. Awareness of social problems of Indian society: its challenges and remedies |
| | | MARATHI (COMPULSORY) | I | १. कथा या साहित्य प्रकाराची माहिती करून देणे. २. विविध कथाकारांच्या कथेतील कथानकाचा परिचय करून देणे. |
| | | MARATHI (COMPULSORY) | II | .1 कविता या साहित्य प्रकारचा सैद्धांतिक परिचय करून देणे. .2 वर्तमानपत्रासाठी जाहिरात लेखन कौशल्याची माहिती करून देणे. |
| | | MARATHI (OPTIONAL) | I | १. नाटक या साहित्य प्रकाराचा सैद्धांतिक परिचय करून देणे. २. मराठी नाटकाच्या ईतिहासातील महत्त्वाचे टप्पे यांची माहिती करून देणे. |



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| | | MARATHI (OPTIONAL) | II | १. प्रवासवर्णन या साहित्य प्रकाराचा सैद्धांतचा परिचय करून देणे. २. प्रवासवर्णन लेखन करण्याचे. कौशल्य विद्यार्थीमध्ये निर्माण करणे. |
| | | C.S.IN ENGLISH | I | 1. To enhance language proficiency by providing adequate exposure to reading and writing skills. 2. To orient the learners towards the functional aspects of language. |
| | | C.S.IN ENGLISH | II | 1. To increase the range of lexical resource through a variety of exercises which developed effective communication among learners. 2. To enhance the overall communication skills of the learners' range of lexical resource through a variety of exercises which developed effective communication among learners. 3. To enhance the overall communication skills of the learners. |
| | | HISTORY (HISTORY OF MODERN INDIA) | I | 1. To make the learners aware about the making of modern India and the struggle for independence. |
| | | HISTORY (HISTORY OF MODERN INDIA) | II | 1. To make the learners aware about the making of modern India and the struggle for independence. |
| | | POLITICAL SCIENCE (INDIAN POLITICAL SYSTEM) | I | 1. To make students aware about the fundamental rights and Indian constitutional structure. 2. To make students aware of the Indian constitutional provisions and state and centres relations |
| | | POLITICAL SCIENCE (INDIAN POLITICAL SYSTEM) | II | 1. To make students know the information of the National Parties of India and Federal system of India 2. To make students aware of the Global terrorism and Indian Criminalism of Politics |
| | FYBA (B) | FOUNDATION COURSE | I | 1. To understand the pluralistic nature of Indian society 2. To sensitize about the gender disparity in society. 3. To understand diversity as difference and disparity as inequality. 4. To understand the philosophy and structure of the Constitution of India and government bodies working at different levels of government administration 5. To create awareness about growing social |



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| | | | | problems in India |
| | | FOUNDATION COURSE | II | 1.To understand the impact of globalisation on Indian society 2.To introduce the concept of Human Rights and fundamental rights 3.To understand the importance of environment and sustainable development 4.To recognize factors that cause stress and conflict in present times 5.Awareness of social problems of Indian society: its challenges and remedies |
| | | MARATHI (COMPULSORY) | I | १.कथा या साहित्य प्रकाराची माहिती करून देणे. २. विविध कथाकारांच्या कथेतील कथांनाकाचा परिचय करून देणे. |
| | | MARATHI (COMPULSORY) | II | .1कविता या साहित्य प्रकारचा सैद्धांतिक परिचय करून देणे. .2वर्तमानपत्रसाठी जाहिरात लेखन कौशल्याची माहिती करून देणे. |
| | | C.S.IN ENGLISH | I | 1. To enhance language proficiency by providing adequate exposure to reading and writing skills. 2. To orient the learners towards the functional aspects of language. |
| | | C.S.IN ENGLISH | II | 1. To increase the range of lexical resource through a variety of exercises which developed effective communication among learners. 2. To enhance the overall communication skills of the learners. |
| | | FUNDAMENTALS OF PSYCHOLOGY | I | 1. To impart knowledge of the basic concepts and modern trends in Psychology 2. To foster interest in the subject of Psychology and to create a foundation for further studies in Psychology |
| | | FUNDAMENTALS OF PSYCHOLOGY | II | 1. To explore various concepts of psychology. 2. To make the learners aware of the applications of Psychological concepts in various fields so that they understand the relevance of Psychology in different areas of life. |
| | | INTRODUCTION TO ENGLISH LITERATURE | I | 1. To develop the learners with the characteristics of various English literary genres. 2. To enhance the analytical skills and critical thinking through close reading of literary texts. |
| | | INTRODUCTION TO ENGLISH LITERATURE | II | 1. To cultivate appreciation of language as an artistic medium and helped learners understand the importance of forms, elements |



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| | | | | and style that shaped literary works. 2. To enable learners to understand that literature is an expression of human values within a historical and social context. |
| | | MICRO ECONOMICS | I | 1. To expose the learners to basic principles of Microeconomic theory with the help of statistical tools and develops the skill of application of Microeconomics concepts to analyze the real -life situations |
| | | MICRO ECONOMICS | II | 1.To give supply side knowledge of economics and to enhance knowledge about aspects of production, cost and revenue analysis, theories of distribution and understanding about market structure. |
| | SYBA (A) | FOUNDATION COURSE-II | III | 1. To understand the pluralistic nature of Indian society 2. To sensitise about the gender disparity in society. 3. To understand diversity as difference and disparity as inequality. 4. To understand the philosophy and structure of the Constitution of India and government bodies working at different levels of government administration 5.To create awareness about growing social problems in India |
| | | FOUNDATION COURSE-II | IV | 1.To understand the impact of globalisation on Indian society 2.To introduce the concept of Human Rights and fundamental rights 3.To understand the importance of environment and sustainable development 4.To recognize factors that cause stress and conflict in present times 5.Awareness of social problems of Indian society: its challenges and remedies |
| | | MARATHI-II | III | १.कादंबरी या साहित्य प्रकाराचा परिचय करून देणे. २. कादंबरीच्या घटकांची माहिती करून देणे |
| | | MARATHI-II | IV | .1आत्मचरित्र या साहित्य प्रकाराची ठळक वैशिष्ट्ये यांचा परिचय करून देणे. .2मन मे है विस्वास,जस घडलं तस या आत्मकथनाची कथानके सांगणे. |
| | | MARATHI-III | III | १.मानवी भाषेच्या लक्षणांची माहिती करून देणे. .2बोलीच्या संवर्धन काळाची गरज सांगणे. |
| | | MARATHI-III | IV | १.मराठीच्या बोलीच्या अभ्यासाची आवश्यकता स्पष्ट करणे. |



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| | | | | २मालवणी बोलीचे वेगळेपण स्पष्ट करणे. |
| | | POLITICAL SCIENCE-II (POLITICAL THEORY) | III | 1. To make students aware of the Political Theories 2. To make students aware of Law and Authority Power |
| | | POLITICAL SCIENCE-II (POLITICAL THEORY) | IV | 1. To make students aware of Rights and Political principles. 2. To make students aware of Political ideologies. |
| | | POLITICAL SCIENCE-III (PUBLIC ADMINISTRATIO N) | III | 1. To make students aware of Public administration 2. To make students aware of Principles of political organization |
| | | POLITICAL SCIENCE-III(PUBLIC ADMINISTRATIO N) | IV | 1. To make students aware of bureaucracy 2. To make students aware of financial administration |
| | | HISTORY-II (LANDMARKS IN WORLD HISTORY) | III | 1.To enable the learners to comprehend the transition of Europe from medieval to modern times and its impact on the world |
| | | HISTORY-II (LANDMARKS IN WORLD HISTORY) | IV | 1. To provide accurate knowledge of the most significant events and personalities of the period under study and encourage understanding of the making of the modern world. |
| | | HISTORY-III (ANCIENT HISTORY) | III | 1.To acquaint the learners with different sources of Ancient Indian History |
| | | HISTORY-III (ANCIENT HISTORY) | IV | 1. To enable the learners to understand the political, socio-economic and cultural developments in the period under study and appreciate the rich cultural heritage in India. |
| | | ADVERTISING (APPLIED) | III | 1. To highlight the role of advertising for the success of brand and its importance within the marketing function of a company. 2. It aims to orient learners towards the practical aspects and techniques of advertising. |
| | | ADVERTISING (APPLIED) | IV | 1. It is expected that this course will prepare learners to lay down a foundation for advanced post-graduate courses in advertising 2. It aims to orient learners towards the practical aspects and techniques of advertising. |
| | SYBA(B) | FOUNDATION COURSE | III | 1. To understand the pluralistic nature of Indian society |



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| | | | | <p>2. To sensitize about the gender disparity in society.</p> <p>3. To understand diversity as difference and disparity as inequality.</p> <p>4. To understand the philosophy and structure of the Constitution of India and government bodies working at different levels of government administration</p> <p>5. To create awareness about growing social problems in India</p> |
| | | FOUNDATION COURSE | IV | <p>1. To understand the impact of globalisation on Indian society</p> <p>2. To introduce the concept of Human Rights and fundamental rights</p> <p>3. To understand the importance of environment and sustainable development</p> <p>4. To recognize factors that cause stress and conflict in present times</p> <p>5. Awareness of social problems of Indian society: its challenges and remedies</p> |
| | | BUSINESS COMMUNICATION | III | <p>1. To develop an awareness about the complexity of communication in a dynamic business environment.</p> <p>2. To enhance effective oral, writing and listening skills among the learners.</p> |
| | | BUSINESS COMMUNICATION | IV | <p>1. To help the learners to demonstrate the effective use of communication technology.</p> <p>2. To help the learners to excel in Business Communication.</p> |
| | | ENGLISH-II (INDIAN LITERATURE IN ENGLISH) | III | <p>1. To enhance learners to understand the uniqueness of Indian Literature.</p> <p>2. To familiarize the learners to the pluralistic dimensions of Indian Literature.</p> |
| | | ENGLISH-II (INDIAN LITERATURE IN ENGLISH) | IV | <p>1. To help the learners to understand the different genres of Indian Literature.</p> <p>2. To enhance the learners to familiarize with different perspective of approaching literature.</p> <p>3. To familiarize the learners to be aware of prominent Indian Writers.</p> |
| | | ENGLISH-III (AMERICAN LITERATURE) | III | <p>1. To acquaint the learners of literature with various genres and literary terms of 20th Century American Literature</p> <p>2. To sensitize the learners to the themes and styles of 96 American Literature</p> |
| | | ENGLISH-III (AMERICAN | IV | <p>1. To introduce the learners to the social-cultural milieu of 20th century America through</p> |



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| | | LITERATURE) | | <p>Literary texts.</p> <p>2. To enhance the learners to understand American, African-American and multi-cultural sensibilities by introducing them to the literary works representing them.</p> <p>3. To facilitate cross-cultural perspectives and discussions on American Literature.</p> |
| | | SOCIAL PSYCHOLOGY | III | <p>1. To help learners in building knowledge of the basic concepts and modern trends in Social Psychology.</p> <p>2. To foster interest in Social Psychology as a field of study and research among learners.</p> |
| | | SOCIAL PSYCHOLOGY | IV | <p>1. To help learners understand different social perspectives.</p> <p>2. To make the learners aware of the applications of the various concepts in Social Psychology in the Indian context</p> |
| | | DEVELOPMENT PSYCHOLOGY | III | <p>1 To help learners in building knowledge and understanding of the basic concepts, principles, perspectives and modern trends in Developmental Psychology</p> <p>2. To foster interest in Developmental Psychology as a field of study and research among learners.</p> <p>1. To help learners understand growth at each level of development.</p> <p>2. To make the learners aware of the implications and applications of the various concepts, principles and theories of Developmental Psychology in daily life in the Indian context</p> |
| | | DEVELOPMENT PSYCHOLOGY | IV | <p>1. To help learners understand growth at each level of development.</p> <p>2. To make the learners aware of the implications and applications of the various concepts, principles and theories of Developmental Psychology in daily life in the Indian context</p> |
| | | MACRO ECONOMICS | III | <p>This course is designed to provide an introduction to the students about the basic building blocks of macroeconomics which will serve as a foundation throughout their career</p> |
| | | MACRO ECONOMICS | IV | <p>1. This course is designed to make students aware of macroeconomics technologies and make them familiar with macroeconomics terms and concepts in order to understand</p> |



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| | | | | <p>economics at aggregate level.</p> <p>2. It also aims to make the students aware about recent development in macroeconomic literature</p> |
| | | PUBLIC FINANCE | III | <p>1. The paper deals with the basic concept which explain the need for government intervention.</p> <p>2. It exposes the students to public budget through issues of taxation expenditure dept and concept of deficit.</p> |
| | | INDIAN ECONOMY | IV | <p>1. This paper deals with the nature and sector wise composition of Indian economy. Learners shall be able to understand the problems and prospects of Indian economy.</p> <p>2. The content has also itended to orient the learners about the recent development in the economy.</p> |
| | TYBA (A) | MARATHI- मध्ययुगीन मराठी वाड मयाचा. अभ्यास | V | <p>१.मराठी साहित्याची सुरुवात कशी याची माहिती सांगणे.</p> <p>२.परिचय करुन देणे महाराष्ट्रातील विविध पंथांचा.</p> |
| | | MARATHI- मध्ययुगीन मराठी वाडमयाचा . अभ्यास | VI | <p>१शाहिरी वाङ्मयचा परिचय करुन देणे.</p> <p>२मराठी साहित्यामध्ये ईतर धर्मियांनी केलेली . साहित्यनिर्मिती यांचा परिचय करुन देणे</p> |
| | | MARATHI- भारतीय व पाश्चात्य साहित्यशास्त्र | V | <p>१.भारतीय साहित्यशास्त्र याचा परिचय करुन देणे .</p> <p>२.पाश्चात्य साहित्यशास्त्र याचा परिचय करुन देणे.</p> |
| | | MARATHI- भारतीय व पाश्चात्य साहित्यशास्त्र | VI | <p>१ पाश्चात्य साहित्यकारांनी केलेल्या काव्याच्या . व्याख्याची माहिती सांगणे</p> <p>२ प्रक्रिया स्पस्ट पाश्चात्य साहित्यप्रकार निर्मिती . करणे</p> |
| | | MARATHI-साहित्य आणि समाज | V | <p>१.साहित्य आणि समाज यांचा परस्पर संबंध स्पस्ट करणे.</p> <p>२.स्त्रीवादी साहित्य यांचा परिचय करुन देणे</p> |
| | | MARATHI-साहित्य आणि समाज | VI | <p>१.महाराष्ट्रातील सामाजिक स्थित्यंतरे व्ही मराठी साहित्य यांचा परिचय करुन देणे.</p> <p>२.मराठी साहित्यातील ग्रामीण परंपरा यांचा परिचय करुन देणे</p> |
| | | HISTORY-IV (| V | <p>1. To acquaint the learners with the history of</p> |



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| | | HISTORY OF MEDIEVAL INDIA) | | early Medieval India that laid the foundation of the Sultanate in India. 2. To study the contribution of Vijayanagara and Bahamani kingdoms to Medieval Indian History. 3. To examine the administrative, socio-economic and cultural aspects of Medieval India. |
| | | HISTORY-IV (HISTORY OF MEDIEVAL INDIA) | VI | 1. To acquaint the learners with the history of India since the emergence of the Mughal rule. 2. To understand administration of the Mughal Empire. 3. To study the rise of the Maratha Power. |
| | | HISTORY-V (HISTORY OF MODERN MAHARASHTRA) | V | 1. To acquaint learners with regional history. 2. To understand political and socio-economic developments during the 19th and 20th centuries. 3. To create understanding of the movement that led to the formation of Maharashtra |
| | | HISTORY-V (HISTORY OF CONTEMPORARY INDIA) | VI | 1. To understand the process of making the Constitution and the Integration and Reorganization of Indian States. 2. To acquaint the learners with the political developments in India after Independence. 3. To comprehend the socio-economic changes and progress in science and technology in India. |
| | | HISTORY-VI (INTRODUCTION TO ARCHAEOLOGY) | V | 1. To understand the basic facets of Archaeology. 2. To evaluate the importance of Epigraphy. 3. To study the importance of Numismatics as important source of history |
| | | HISTORY-VI (INTRODUCTION TO MUSEOLOGY AND ARCHIVAL SCIENCE) | V | 1. To make students aware of museology 2. To make students aware of archival science |
| | | HISTORY-VI (INTRODUCTION TO MUSEOLOGY AND ARCHIVAL SCIENCE) | VI | 1. To make students aware of cultural heritage 2. To make researchers aware of historical resources to build up and know the historical facts. |
| | | INTERNATIONAL POLITICS | V | 1. To make students aware of importance and balance of power 2. To make students aware of effects of cold war |
| | | INTERNATIONAL POLITICS | VI | 1. To make students aware of foreign policy and diplomacy |



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| | | | | 2. India and her neighbors and International organization |
| | | WESTERN POLITICAL THOUGHTS | V | 1. To make students aware of thought of modern state and justice 2. To make students aware of feminism and multiculturalism |
| | | INDIAN POLITICAL THOUGHTS | VI | 1. To make students aware of Nationalism and socialism 2. To make students aware of thoughts of states |
| | | POLITICAL PROCESS IN MODERN MAHARASHTRA | V | 1. To make students aware of regionalism and sub regionalism of Maharashtra 2. To make students aware of Caste and politics in Maharashtra and historical background. |
| | | POLITICAL PROCESS IN MODERN MAHARASHTRA | VI | 1. To make students aware of political economy of Modern Maharashtra 2. To make students aware of farmer's and tribal movements. |
| | TYBA (B) | LITERARY CRITICISM | V | 1. To facilitate the learners to be aware the nature and function of Literature and criticism. 2. To impart the techniques of close reading of Literary texts. |
| | | LITERARY CRITICISM | VI | 1. To enable the learners to understand the various literary theories and critical approaches. 2. To familiarize the learners with the tenets of practical criticism. |
| | | 16 TH TO 18 TH CENTURY ENGLISH LITERATURE | V | 1. To help the learners to understand the distinctive features of English Literature of 16th to 18th Century English Literature. 2. To familiarise the learners to comprehend how background influences shaped the writers thinking. |
| | | 16 TH TO 18 TH CENTURY ENGLISH LITERATURE | VI | 1. To help the learners to recognise and appreciate the literary masters who dominated the scene during 16th to 18th Century English Literature. 2. To help the learners to grasp the different writing styles that each age adopted. |
| | | GRAMMAR AND THE ART OF WRITING | V | 1. To help the learners to gain a basic understanding of Phonetics, Morphology and Word transformation. 2. To help the learners to improve speaking skills. |
| | | GRAMMAR AND | VI | 1. To facilitate the learners to develop |



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| | | THE ART OF WRITING | | adequate knowledge of the rules of grammar, grammatical analysis and sentence transformation. 2. To help the learners to be proficient in writing in various domains |
| | | MICRO ECONOMICS | V | 1) course is designed to provide sound understanding in microeconomic theory. 2) students have been taught perfect competition this course focuses on three aspects which are the study of imperfect competition general equilibrium and welfare economics. |
| | | MACRO ECONOMICS | VI | 1) this course introduces the students to formal modelling of a macroeconomic theory with analytical tools. 2) it focuses on goods market with fixed exchange rate the money market uncovered interest rate parity and the benefits and cost of fixed and flexible exchange rate. |
| | | ECONOMICS OF DEVELOPMENT | V | 1) This course is designed to calculate diverse concept related to economic growth and development by giving special emphasis on structural issues related to the process of development. 2) Create an awareness on policy options the pressing problems on the path of development such as inequality poverty and technological aspects are dealt in. |
| | | INTERNATIONAL ECONOMICS | VI | 1) this course develops a systematic exposition of models with explain the composition direction and consequence of International Trade and the determinants and effect of trade policy. 2) it then builds on the models of Open Economy macroeconomics focusing on national policies as well as International Monetary system it concludes with an analytical account of the causes and consequences of the Rapid expansion of International Financial flows in the recent years. |
| | | ECONOMICS OF AGRICULTURE AND CO-OPERATION | V | 1) This paper provides an overview of the role of agriculture in the economic development of the country and silent features associated to Agricultural |

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| | | | | productivity and agricultural labour. 2) The pertinent aspects related to agriculture credit Agriculture Marketing as well as the Global problems existing in the marketing are dealt in. |
| | | ECONOMICS OF AGRICULTURE AND CO-OPERATION | VI | 1) The paper is designed to provide various aspects related to the principles of cooperation and cooperative organisations in the globalised economy. 2) the essentials of cooperative finance are dealt in with reference to the latest Trend. |
| | | PSYCHOLOGICAL TESTING AND STATISTICS | V | 1. To impart knowledge and understanding of the nature, uses, technical features, and the process of construction of psychological tests 2. To create awareness about measurement of intelligence and assessment of personality |
| | | PSYCHOLOGICAL TESTING AND STATISTICS | VI | 1. To impart knowledge and understanding of the concepts in Statistics and the various measures of Descriptive Statistics -their characteristics, uses, applications and methods of calculation 2. To create a foundation for advanced learning of Psychological Testing, Assessment, and Statistics |
| | | ABNORMAL PSYCHOLOGY-I | V | 1. To impart knowledge and understanding of the basic concepts in Abnormal Psychology and the theories about Abnormality 2. To impart knowledge and understanding of the different Psychological Disorders –their symptoms, diagnosis, causes and treatment |
| | | ABNORMAL PSYCHOLOGY-II | VI | 1. To create awareness about Mental Health problems in society 2. To create a foundation for higher education and a professional career in Clinical Psychology |
| | | INDUSTRIAL AND ORGANIZATIONAL PSYCHOLOGY-I | V | 1. To impart knowledge and understanding of the basic concepts in and various facets of Industrial and Organizational Psychology 2. To create awareness about the role and importance of Psychological factors and processes in the world of work |
| | | INDUSTRIAL AND ORGANIZATIONAL PSYCHOLOGY-II | VI | 1. To create a foundation for higher education and a professional career in Industrial Psychology and Organizational Behaviour |
| COMMER | FYBCO | FOUNDATION | I | 1. To understand the pluralistic nature of Indian |



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| | | | | <p>society</p> <p>2. To sensitize about the gender disparity in society.</p> <p>3. To understand diversity as difference and disparity as inequality.</p> <p>4. To understand the philosophy and structure of the Constitution of India and government bodies working at different levels of government administration</p> <p>5.To create awareness about growing social problems in India</p> |
| | | FOUNDATION COURSE | II | <p>1.To understand the impact of globalisation on Indian society</p> <p>2.To introduce the concept of Human Rights and fundamental rights</p> <p>3.To understand the importance of environment and sustainable development</p> <p>4.To recognize factors that cause stress and conflict in present times</p> <p>5.Awareness of social problems of Indian society: its challenges and remedies</p> |
| | | BUSINESS COMMUNICATION | I | <p>1. To develop an awareness about the complexity of communication in a dynamic business environment.</p> <p>2. To enhance effective oral, writing and listening skills among the learners.</p> |
| | | BUSINESS COMMUNICATION | II | <p>1. To help the learners to demonstrate the effective use of communication technology.</p> <p>2. To help the learners to excel in Business Communication</p> |
| | | BUSINESS ECONOMICS | I | <p>1. To introduce to economics as dealing with the problems of allocation of scarce resources in optimum manner.</p> <p>2. To familiarize learners with the basic tools of consumer and producer theory, the operation of markets and optimization in an economic context.</p> <p>3. To explain economic issues and solutions in a practical manner, the concepts are to be discussed with case studies and numerical problems wherever applicable.</p> <p>4. To Expose learners of Commerce to basic Micro Economics Concepts and inculcate in analytical approach to the subject matter.</p> <p>5. To Stimulate the learners' interest by showing the relievable and use of various economic theories and functions.</p> |



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| | | | | 6. To Apply economic reasoning to problems of |
| | | BUSINESS ECONOMICS | II | <ol style="list-style-type: none"> 1. To introduce concept of Macroeconomics and various circular flows of income. 2. To make them understand various concepts in money, prices and inflation. 3. To make them aware about public finance in depth. 4. To make them understand about various sources of public revenue and public expenditure. 5. To Understand the concept of Macroeconomics and various circular flows of income. 6. To Understand various concepts in money, prices and inflation. 7. To be Aware of public finance in depth. 8. To Understand various sourced of public revenue and expenditure. 9. To appreciate of the ethical issues in economics |
| | | ENVIRONMENT STUDIES-I | I | <ol style="list-style-type: none"> 1. The course provides an overview of the environment, ecology, ecosystem, natural resources, sustainable development, urbanization and thematic mapping based on all the aspects. 2. It aims to shed light on the concept and components of the environment, ecology and ecosystem, natural resources and the sustainable development with a focus on the conservation of natural resources in the Konkan region, population growth, and its environmental impact, and the urbanization with special emphasis on Smart City Mission of India. 3. The course shall further convey an understanding of thematic mapping from an environmental point of view. |
| | | ENVIRONMENT STUDIES-I | II | <ol style="list-style-type: none"> 1. The course provides an overview of solid waste management, the impact of agriculture, industry, and tourism on the environment and inversely. 2. It aims to shed light on solid wastes and its management, individuals role in the Solid Waste Management, sustainable agriculture, sustainable industrial practices, Bioremediation, and impact of tourism on the environment and conversely. Also, it proposes |

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| | | | | the role of technology in environmental management. 3. The course shall further focus on the applications of Google Services in environmental management. |
| | | COMMERCE-I | I | 1. To familiarize the learners with the basic concept of business. 2. To make learners aware of the current trends in business. |
| | | COMMERCE- II | II | 1. To familiarize the learners with the basic concept of services. 2. To make learners aware of the current trends in service sector. |
| | | ACCOUNTANCY AND FINANCIAL MANAGEMENT-I | I | 1. The course is mainly designed to bring about Accounting Standards issued by ICAI and equip the learners with accounts of a Manufacturing concerns. 2. To create awareness about regular accounting in the form of transactions of Hire purchase and Departmental Accounting. |
| | | ACCOUNTANCY AND FINANCIAL MANAGEMENT- II | II | 1. The course is mainly designed to give working knowledge about treatment in respect of accounts to be prepared from incomplete records, Consignment Sale, Fire Insurance Claim and Branch Accounts. |
| | | MATHEMATICAL AND STATISTICAL TECHNIQUES-I | I & II | 1. To improve in quantitative aptitude required for various competitive examinations 2. To create base for financial analysis required for finance related courses 3. To develop an ability of making appropriate decisions by enumerating feasible and viable alternatives |
| | | MATHEMATICAL AND STATISTICAL TECHNIQUES- II | II | 1. To create base for financial analysis required for finance related courses 2. To determine the nature and strength of relationship between two variables 3. To understand concepts of time series and its applications in different areas 4. To study economic data reflecting price or quantity compared with a standard or base value |
| | SYBCO M | COMMERCE-III | III | 1. To make the learners aware about the knowledge and evolution of management. 2.To familiarize the learners with the functions of management. |
| | | COMMERCE- IV | IV | 1. To acquaint the learners with the basic concepts of Production Management, Inventory Management and Quality Management. |



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| | | | | 2. To provide basic knowledge about Indian financial system. 3. To update the learners with the recent trends in finance. |
| | | ADVERTISING-I | III | 1. To highlight the role of advertising for the success of brand and its importance within the marketing function of a company. 2. It aims to orient learners towards the practical aspects and techniques of advertising. |
| | | ADVERTISING- II | IV | 1. It is expected that this course will prepare learners to lay down a foundation for advanced post-graduate courses in advertising 2. It aims to orient learners towards the practical aspects and techniques of advertising. |
| | | ACCOUNTANCY AND FINANCIAL MANAGEMENT | III | To equip the learners with in-depth knowledge of accounting in respect of partnership accounting to enable them to face practical situations in respect of Partnership accounting. |
| | | ACCOUNTANCY AND FINANCIAL MANAGEMENT | IV | 1. The course is designed to gain knowledge about the Company Accounts, accounting treatment of Redemption of Preference Shares & Debentures and treatment of Profit prior to Incorporation. |
| | | INTRODUCTION TO MANAGEMENT ACCOUNTING | III | 1.To develop amongst the learners analytical abilities to read and interpret the financial statements and equip them with the skills of interpreting of various ratios and analysis of working capital techniques to enable them to be compliant with the requirements of various industries. |
| | | AUDITING | IV | 1. To give a working knowledge about the various audits conducted in order to verify whether the financial statements show a true and fair view. 2. To make learners conversant about documentations maintained by an auditor. 3.To familiarise them with various types of audits and audit documentation |
| | | BUSINESS ECONOMICS | III | 1. A Financial System plays a vital role in the economic growth of a country. It intermediates between the flow of funds belonging to those who save a part of their income and those who invest in productive assets. It facilitates the transfer and allocation of funds, efficiently and effectively. 2. It provides opportunities for students to enhance their knowledge & employability skills. 3. The purpose of this paper is to acquaint the students with the various components of the |



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| | | | | <p>financial system and their workings.</p> <p>4. In the globalized context, the Indian Financial System has metamorphosed in to a substantive, competitive and cost effective system and hence, it is essential to study in depth about its structure and recent developments.</p> |
| | | BUSINESS ECONOMICS | IV | <p>1. Public Finance is the study of government policy from the point of economic efficiency and equity. The role and functions of the government have been changing throughout time. The existence of externalities, acceleration of economic growth, raising the level of employment, the need and concern for adjustment in the distribution of income and wealth etc. require the use of package of policies which require tax systems, expenditure programmes, rising of debt, issues of deficit etc.</p> <p>2. This paper deals with basic concepts which explain the need for government intervention. It exposes the student to public budget through issues of taxation, expenditure, debt and concepts of deficit. To study and analyses concerning Indian Public Finance.</p> |
| | | FOUNDATION COURSE | III | <p>1. Develop a basic understanding about issues related to Human Rights of weaker sections, ecology, and science and technology.</p> <p>2. Gain an overview of significant skills required to address competition in career choices</p> <p>3. Appreciate the importance of developing a scientific temper towards technology and its use in everyday life</p> |
| | | FOUNDATION COURSE | IV | <p>1. To understand Significant, contemporary Rights of Citizens.</p> <p>2. To study the various approaches to understanding Ecology.</p> <p>3. To study and understand the Significant Modern Technologies, Features and Applications</p> <p>4. To understand the Basic information on Competitive Examinations- the pattern, eligibility criteria and local centers</p> |
| | | BUSINESS LAW | III | <p>1. To understand the framework of business laws in India with the study of Indian Contract Act.</p> |



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| | | | | 2. To orient the learners with basic concepts like contract, special contract, sale of goods and negotiable instruments along with case laws. |
| | | BUSINESS LAW | IV | 1. To introduce learners to contemporary laws along with old laws such as Indian Companies Act, 2013, Partnership Act, 1932 as well as Limited Liability Act, 2008, IPR laws etc. This helped students to connect with relevant issues. 2. To motivate learners to pursue further education in law and make it as their career. |
| | TYBCO M | FINANCIAL ACCOUNTING | V | 1. To give working knowledge of accounting of Companies along with ascertainment of profits and losses in investment accounts. |
| | | FINANCIAL ACCOUNTING | VI | 1. To give an working knowledge in respect of accounting of Companies along with ascertainment of profits and losses on investment accounts |
| | | COST ACCOUNTING | V | 1. To impart the knowledge of how cost accounting is used for ascertaining the cost of elements of products. |
| | | COST ACCOUNTING | VI | 1. To impart the knowledge about the various techniques used to take decisions such as Marginal Costing, Standard Costing which includes the cost accumulation in case of process costing |
| | | DIRECT TAX | V | 1. To give an understanding of provision of direct tax code, practical aspect of tax planning and to expose to real life situation involving taxation under the various heads of income and able to state the use of various deductions to reduce the taxable income. |
| | | INDIRECT TAX | VI | 1. To understand the Indirect Tax Laws specially the GST to acquaint the learners with basic principles of Indirect tax law and to understand tax laws and accepted tax practices. |
| | | COMMERCE-V (MARKETING) | V | 1. To enable the learners with the basic concept of marketing. 2. To develop knowledge and understanding of marketing decisions related to product, place, price and promotion. 3. To make learners aware about key marketing 5 dimensions. |
| | | COMMERCE-VI (HUMAN RESOURCE | VI | 1. To familiarize the learners with the basic concept of Human Resource Management (HRM). |

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| | | MANAGEMENT) | | <p>2. To acquaint the learners with various aspects of Human Resource Development and Human Relations.</p> <p>3. To make learners aware about the recent trends in HRM</p> |
| | | EXPORT MARKETING- V | V | <p>1) It aims to orient learners towards the global framework for export marketing.</p> <p>2) To make aware the learner about basics of export marketing.</p> |
| | | EXPORT MARKETING- VI | VI | <p>1) To make the learners aware about conceptual knowledge and new trends in export marketing.</p> <p>2) To make the learners aware about product and pricing decisions in export marketing.</p> |
| | | BUSINESS ECONOMICS | V | <p>1.To enable the students to understand the theories and strategies of growth and development</p> <p>2. To impart knowledge about the issues relating to sustainable development, environmental protection and pollution control measures.</p> <p>3. To analyses the growth performance of GDP of Indian economy during pre and post WTO regime.</p> <p>4. To analyze the effect of WTO on the level of saving and capital formation of Indian economy.</p> <p>5. To analyze the performance of employment in public and organized private sectors during pre and post WTO period.</p> |
| | | BUSINESS ECONOMICS | VI | <p>1. To understand the Process of New Economic Reforms in India.</p> <p>2. To study the Trends to the Regionalism, role of the Emerging Markets, the BRICS Countries, India.</p> <p>3.To learn about the Import/Export transactions, the difficulties with them and how to overcome these challenges</p> <p>The different types of documents used in the foreign trade, which documents usually require the customs, the requirements for the various documents and how to fill in these documents correctly</p> <p>5.To understand The Role of the World Customs Organization and the World Trade</p> |



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| SCIENCE | FYBSC | FOUNDATION COURSE | I | <ol style="list-style-type: none"> 1. To understand the pluralistic nature of Indian society 2. To sensitize about the gender disparity in society. 3. To understand diversity as difference and disparity as inequality. 4. To understand the philosophy and structure of the Constitution of India and government bodies working at different levels of government administration 5. To create awareness about growing social problems in India |
| | | FOUNDATION COURSE | II | <ol style="list-style-type: none"> 1. To understand the impact of globalisation on Indian society 2. To introduce the concept of Human Rights and fundamental rights 3. To understand the importance of environment and sustainable development 4. To recognize factors that cause stress and conflict in present times 5. Awareness of social problems of Indian society: its challenges and remedies |
| | | PHYSICAL CHEMISTRY | I | <ol style="list-style-type: none"> 1. Physical chemistry is essential to understanding the other branches of chemistry. 2. It provides a basis for understanding the thermodynamic influences (principally, the entropy changes accompanying reactions) that drive chemical reactions forward |
| | | INORGANIC CHEMISTRY | I | Inorganic compounds are used as catalysts, pigments, coatings, surfactants, medicines, fuels, and more. |
| | | ORGANIC CHEMISTRY | II | <ol style="list-style-type: none"> 1. In organic chemistry, the focus is on the element carbon. Carbon is central to all living organisms; however, thousands of non-living things (such as drugs, plastics, and dyes) are made from carbon compounds. Diamonds are carbon atoms in a crystal structure 2. Organic chemistry is a highly creative science in which chemists create new molecules and explore the properties of existing compounds. |
| | | PHYSICS THEORY-I | I | 1 To understand the applications of Newton's laws to classical systems. |



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| | | | | 2.To Understand the concepts of elasticity and viscosity |
| | | PHYSICS THEORY-I | II | 1. Understand the basic mathematical concepts and their applications in Physical situations. 2. Develop quantitative problem solving skills in all the topics covered. |
| | | PHYSICS THEORY-II | I | 1. To understand the basic knowledge of nuclear physics 2. To Understand concept of modern physics |
| | | PHYSICS THEORY-II | II | 1. To understand basic knowledge of electronic circuits & different electrical theorem 2. Understand the concept of electromagnetism and solving the problem |
| | | CALCULUS | I | 1. To learn basic concepts related to real number & real sequences. 2. To Familiarize students with graph of standard functions. |
| | | CALCULUS | II | 1.To study differentiability of a function at a point. 2.To understand maxima & minima of a function. |
| | | ALGEBRA | I | 1. Know the vocabulary of functions: domain, range, image, inverse image, kernel, injective (one-one), surjective (onto), and bijective. 2. To familiarize student with types functions:one-time, onto, bijective.Relation:Reflexive, Symmetric , Transitive. |
| | | ALGEBRA | II | 1. Be able to use and understand matrix addition, scalar multiplication, , matrix multiplication, and matrix transposition. 2. Use Gaussian elimination to solve systems of linear equations and write the solution in parametric and vector form. Define and use the words homogeneous, non-homogeneous, row echelon form, and reduced row echelon form. |
| | | BOTANY-PLANT DIVERSITY | I | 1.Studying adaptation biology and understanding/exploiting medicinally important plants for useful bioactives. 2. Understanding the Algae ,fungi ,bryophytes,pteridophytes,Microbiology,Angiospermae and gymnospermae plant adaptation and ecological functioning. |



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| | | | | <p>3. Origin, evolution, and genetic diversity of microbial life.</p> <p>4. Microbial species and speciation.</p> <p>5. To classify the plant Kingdom</p> <p>6. General characters, origin and evolution of Plantae</p> |
| | | BOTANY-PLANT DIVERSITY | II | <p>1. Studying adaptation biology and understanding/exploiting medicinally important plants for useful bioactives.</p> <p>2. Understanding the Algae ,fungi ,bryophytes,pteridophytes,Microbiology,Angiospermae and gymnospermae plant adaptation and ecological functioning.</p> <p>3. Origin, evolution, and genetic diversity of microbial life.</p> <p>4. Microbial species and speciation.</p> <p>5. To classify the plant Kingdom</p> <p>6. General characters, origin and evolution of Plantae</p> |
| | | BOTANY- FORM AND FUNCTION | I | <p>1. To understand the structures and purposes of basic components of types of cells, especially macromolecules, membranes, and organelles</p> <p>2. Students will understand how these cellular components are used to generate and utilize energy in cells.</p> <p>3. Summarize the role of each cell structure in plant development</p> <p>4. Evaluate the importance of various plant tissues in plant development.</p> <p>5. Our objective is to provide training in scientific and transferable skills through modular lecture courses, research projects, written work, seminars and supervisions.</p> <p>6. Identify the ionic forms in which essential macro-elements are typically available in the soil.</p> <p>7. Identify the essential elements, rank their relative abundance in plant tissues,</p> |
| | | BOTANY- FORM AND FUNCTION | II | <p>1. To understand the structures and purposes of basic components of types of cells, especially macromolecules, membranes, and organelles</p> <p>2. Students will understand how these cellular components are used to generate and utilize energy in cells.</p> <p>3. Summarize the role of each cell structure in plant development</p> |



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| | | | | <p>4. Evaluate the importance of various plant tissues in plant development.</p> <p>5. Our objective is to provide training in scientific and transferable skills through modular lecture courses, research projects, written work, seminars and supervisions.</p> <p>6. Identify the ionic forms in which essential macro-elements are typically available in the soil.</p> <p>7. Identify the essential elements, rank their relative abundance in plant tissues,</p> |
| | | ZOOLOGY PAPER-I | I | <ul style="list-style-type: none"> • To take learners through a captivating journey of hoarded wealth of marvellous animal world. • To orient learners about rich heritage of Biodiversity of India and make them understand significance of its conservation. • To teach learners about innovative and novel work of scientists/philosopher/entrepreneurs in the field of biological sciences. • To make learners aware of risks involved in handling of different hazardous chemicals, sensitive (electrical/electronic) instruments and infectious biological specimens especially during practical sessions in the laboratory and to train them to avoid mishap. • To acquaint learners to the modern developments and concepts of Zoology highlighting their applications aiming for the benefit of human being. • To provide all learners a complete insight about the structure and train them with operational skills of different instruments required in Zoology. |
| | | ZOOLOGY – ECOLOGY AND WILD LIFE MANAGEMENT | II | <ul style="list-style-type: none"> • To facilitate the learning of population ecology, its dynamics and regulatory factors important for its sustenance. • To impart knowledge of different components of ecosystem and educate |



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| | | | | <p>about essentials of coexistence of human beings with all other living organisms.</p> <ul style="list-style-type: none"> • To enlighten learners about the current status of wild life conservation in India in the light of guidelines from different relevant governing agencies vis-à-vis with adversity of poaching and biopiracy. • To make learners understand the importance of balanced diet and essential nutrients of food at different stages of life. • To impart knowledge about source, quantum and need for conservation of fast depleting water resource and essentials of maintaining proper sanitation, hygiene and optimizing use of electronic gadgets. • To educate learners about causes, symptoms and impact of stress related disorders and infectious diseases. |
| | | ZOOLOGY PAPER-II | I | <ul style="list-style-type: none"> • To make learners aware of risks involved in handling of different hazardous chemicals, sensitive (electrical/electronic) instruments and infectious biological specimens especially during practical sessions in the laboratory and to train them to avoid mishap. • To acquaint learners to the modern developments and concepts of Zoology highlighting their applications aiming for the benefit of human being. • To provide all learners a complete insight about the structure and train them with operational skills of different instruments required in Zoology. |
| | | ZOOLOGY – NUTRITION, PUBLIC HEALTH AND HYGIENE | II | <ul style="list-style-type: none"> • To make learners understand the importance of balanced diet and essential nutrients of food at different stages of life. |



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| | | | | <ul style="list-style-type: none"> To impart knowledge about source, quantum and need for conservation of fast depleting water resource and essentials of maintaining proper sanitation, hygiene and optimizing use of electronic gadgets. To educate learners about causes, symptoms and impact of stress related disorders and infectious diseases. |
| | SYBSC | FOUNDATION COURSE PAPER- II | III | <ol style="list-style-type: none"> To understand the pluralistic nature of Indian society To sensitize about the gender disparity in society. To understand diversity as difference and disparity as inequality. To understand the philosophy and structure of the Constitution of India and government bodies working at different levels of government administration To create awareness about growing social problems in India |
| | | FOUNDATION COURSE PAPER- II | IV | <ol style="list-style-type: none"> To understand the impact of globalisation on Indian society To introduce the concept of Human Rights and fundamental rights To understand the importance of environment and sustainable development To recognize factors that cause stress and conflict in present times Awareness of social problems of Indian society: its challenges and remedies |
| | | PHYSICAL CHEMISTRY | III | <ol style="list-style-type: none"> Physical chemistry is essential to understanding the other branches of chemistry. It provides a basis for understanding the thermodynamic influences (principally, the entropy changes accompanying reactions) that drive chemical reactions forward |
| | | INORGANIC CHEMISTRY | III | <ol style="list-style-type: none"> Inorganic compounds are used as catalysts, pigments, coatings, surfactants, medicines, fuels, and more. There are two essential aims of analytical chemistry: intrinsic aim - |



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| | | | | attaining analytical information of the highest quality with low uncertainty - and extrinsic aim - solving often complex analytical problems derived from biochemical information in a myriad of different areas such as health, industry, |
| | | ORGANIC CHEMISTRY | IV | In organic chemistry, the focus is on the element carbon. Carbon is central to all living organisms; however, thousands of non-living things (such as drugs, plastics, and dyes) are made from carbon compounds chemistry is a highly creative science in which chemists create new molecules and explore the. Diamonds are carbon atoms in a crystal structure Organic properties of existing compounds |
| | | CALCULUS | III | 1. Learn to Computing directional derivatives, partial derivatives and mean value theorem of scalar fields.Total derivative, gradient. 2. Understand Taylor's formula, differentiation of a vector field at a point, finding Hessian/Jacobian matrix, Mean Value Inequality |
| | | CALCULUS | IV | 1. Introduction of partions of a closed interval, Riemann Integration & it's properties. 2.The course will develop a deep of real line R |
| | | ALGEBRA | III | 1. Find the matrix associated with a linear transformation with respect to given bases, 2. Find determinant of matrix by various method. |
| | | ALGEBRA | IV | The primary objective of this is to introduce the basic tool's of theory of equation. Perform matrix algebra with application to computer graphics. |
| | | DISCRETE MATHS | III | Discrete mathematics is an important branch of mathematics with applications to computer science, Social science, Engineering & Technology and operation research etc. This course aims at introducing the concepts of lattice Boolean algebra and graph theory. |
| | | DIFFERENTIAL EQUATIONS | IV | The main objectives of this course are to introducing the student to the exciting world of differential equations. ° formulate the differential equation for Various mathematical models |



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| | | BOTANY –PLANT DIVERSITY | III | <ol style="list-style-type: none"> 1. Studying adaptation biology and understanding/exploiting medicinally important plants for useful bioactives. 2. Understanding the Algae ,fungi ,bryophytes,pteridophytes,Microbiology,Angiospermae and gymnospermae plant adaptation and ecological functioning. 3. Origin, evolution, and genetic diversity of microbial life. 4. Microbial species and speciation. 5. To classify the plant Kingdom 6. General characters, origin and evolution of Plantae |
| | | BOTANY –PLANT DIVERSITY | IV | <ol style="list-style-type: none"> 1. Studying adaptation biology and understanding/exploiting medicinally important plants for useful bioactives. 2. Understanding the Algae ,fungi ,bryophytes,pteridophytes,Microbiology,Angiospermae and gymnospermae plant adaptation and ecological functioning. 3. Origin, evolution, and genetic diversity of microbial life. 4. Microbial species and speciation. 5. To classify the plant Kingdom 6. General characters, origin and evolution of Plantae |
| | | BOTANY-FORM AND FUNCTION | III | <ol style="list-style-type: none"> 1. To understand the structures and purposes of basic components of types of cells, especially macromolecules, membranes, and organelles 2. Students will understand how these cellular components are used to generate and utilize energy in cells. 3. Summarize the role of each cell structure in plant development 4. Evaluate the importance of various plant tissues in plant development. 5. Our objective is to provide training in scientific and transferable skills through modular lecture courses, research projects, written work, seminars and supervisions. 6. Identify the ionic forms in which essential macro-elements are typically available in the soil. 7. Identify the essential elements, rank their relative abundance in plant tissues, |



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| | | BOTANY-FORM AND FUNCTION | IV | <ol style="list-style-type: none"> 1. To understand the structures and purposes of basic components of types of cells, especially macromolecules, membranes, and organelles 2. Students will understand how these cellular components are used to generate and utilize energy in cells. 3. Summarize the role of each cell structure in plant development 4. Evaluate the importance of various plant tissues in plant development. 5. Our objective is to provide training in scientific and transferable skills through modular lecture courses, research projects, written work, seminars and supervisions. 6. Identify the ionic forms in which essential macro-elements are typically available in the soil. 7. Identify the essential elements, rank their relative abundance in plant tissues, |
| | | BOTANY – CURRENT TRENDS IN PLANT SCIENCE | III | <ol style="list-style-type: none"> 1. Investigate utilization and domestication of crop plant throughout history. 2. Investigate many uses of plants by other culture 3. Study origin, distribution, botanical description, brief idea of cultivation and economic uses of pulses 4. Analyse morphological description, brief idea of cultivation and economic uses of medicinal plants 5. Study botanical description, processing and uses for biological source. 6. To study tools and techniques used in biotechnology, bioinformatics technology. 7. Study different biological data by using biostatistical methods |
| | | BOTANY – CURRENT TRENDS IN PLANT SCIENCE | IV | <ol style="list-style-type: none"> 1. Investigate utilization and domestication of crop plant throughout history. 2. Investigate many uses of plants by other culture 3. Study origin, distribution, botanical description, brief idea of cultivation and economic uses of pulses 4. Analyse morphological description, brief idea of cultivation and economic uses of medicinal plants |



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| | | | | <p>5.. Study botanical description, processing and uses for biological source.</p> <p>6. To study tools and techniques used in biotechnology, bioinformatics technology.</p> <p>7. Study different biological data by using biostatistical methods</p> |
| | | ZOOLOGY PAPER-I | III | <ul style="list-style-type: none"> • To introduce the concepts of physiology of nutrition, excretion and osmoregulation. • To expose the learners to various nutritional apparatus, excretory- and osmoregulatory structures in different classes of organisms. • To introduce the concepts of physiology of respiration and- circulation • To expose the learner to various respiratory and circulatory- structures in different classes of organisms • To introduce the concepts of physiology of control and coordination- and locomotion and reproduction |
| | | ZOOLOGY PAPER-II | III | <ul style="list-style-type: none"> • To expose the learner to various locomotory and reproductive- structures in different classes of organisms • To equip learners with a sound knowledge of how animals interact with one another and their environment. • To enable the learners to understand different behavioural patterns. • To acquaint learners with the concepts of parasitism, their relationship with environment. • To make learners aware about the modes of transmission of parasites. |
| | | ZOOLOGY PAPER-III | III | <ul style="list-style-type: none"> • To disseminate information on economic aspects of zoology like apiculture, vermiculture, dairy science. • To encourage young learners for self-employment. |
| | | ZOOLOGY PAPER-I | IV | <ul style="list-style-type: none"> • To impart scientific knowledge about how life originated and evolved on our planet. • To develop knowledge and understanding of genetic variability |



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| | | | | <p>within a population and how the change in the gene pool leads to evolution of species</p> <ul style="list-style-type: none"> To inculcate scientific temperament in the learner |
| | | ZOOLOGY PAPER-II | IV | <ul style="list-style-type: none"> To study the structural and functional organization of cell with an emphasis on nucleus, plasma membrane and cytoskeleton. To acquaint the learner with ultrastructure of cell organelles and their functions To give learner insight into the structure of biomolecules,~ and their role in sustenance of life |
| | | ZOOLOGY PAPER-III | IV | <ul style="list-style-type: none"> To acquaint the learner with key concepts of embryology. To acquaint the learners with different aspects of human reproduction. → To make them aware of the causes of infertility, techniques to overcome infertility and the concept of birthcontrol To provide a panoramic view of impact of human activities leading to pollution and its implications. |
| | | PHYSICS PAPER-I | III | <ol style="list-style-type: none"> Understand the concept of thermodynamics and low temperature physics understand the concept of mechanics and problem solving |
| | | PHYSICS PAPER-II | III | <ol style="list-style-type: none"> Basics knowledge of transistor opamp used in electronics circuits Solving mathematical problem by using theorem |
| | | PHYSICS PAPER-III | III | <ol style="list-style-type: none"> Understand the concept of geomagnetism Understand the concept and application of material science |
| | | PHYSICS PAPER-I | IV | <ol style="list-style-type: none"> To Understand the concept of optics briefly and discussing application of it. Understand the concept of digital electronics counter flip flop and it's application |
| | | PHYSICS PAPER-II | IV | <ol style="list-style-type: none"> Understand the concept of modern physics Understand the quantum concept problem solving and application |



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| | | PHYSICS PAPER-III | IV | <ol style="list-style-type: none"> 1. Understand the concept of microprocessor 2. Brief discussion on radio communication |
| | TYBSC | PHYSICAL CHEMISTRY | V | <ol style="list-style-type: none"> 1. Physical chemistry is essential to understanding the other branches of chemistry. 2. It provides a basis for understanding the thermodynamic influences (principally, the entropy changes accompanying reactions) that drive chemical reactions forward |
| | | INORGANIC CHEMISTRY | V | <ol style="list-style-type: none"> 1. Inorganic compounds are used as catalysts, pigments, coatings, surfactants, medicines, fuels, and more. 2. There are two essential aims of analytical chemistry: intrinsic aim - attaining analytical information of the highest quality with low uncertainty - and extrinsic aim - solving often complex analytical problems derived from biochemical information in a myriad of different areas such as health, industry, |
| | | ORGANIC CHEMISTRY | VI | <ol style="list-style-type: none"> 1. In organic chemistry, the focus is on the element carbon. Carbon is central to all living organisms; however, thousands of non-living things (such as drugs, plastics, and dyes) are made from carbon compounds. Diamonds are carbon atoms in a crystal structure 2. Organic chemistry is a highly creative science in which chemists create new molecules and explore the properties of existing compounds. 3. There are two essential aims of analytical chemistry: intrinsic aim - attaining analytical information of the highest quality with low uncertainty - and extrinsic aim - solving often complex analytical problems derived from biochemical information in a myriad of different areas such as health, industry |
| | | MULTIVARIABLE CALCULUS-II | V | To understand the extension of the studie Of single variable differential and integral Calculs of functions of two or more independent |



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| | | | | variable. The emphasis will be on the use of computer algebra system by which these Concepts may be analyzed and visualised to have a better understanding |
| | | LINEAR ALGEBRA | V | Find the kernel, range, rank, and nullity of a linear transformation. Prove elementary facts concerning eigenvalues and eigenvectors. |
| | | TOPOLOGY OF MATRIC SPACES | V | The course aims at providing the basic knowledge pertaining to metric space such as open ball ,closed ball Understanding the basic concepts of metric spaces. |
| | | NUMERICAL ANALYSIS-I | V | To comprehend various computational technique to find approximate value to possible roots of non algebraic equations. To enhance the problem solving skill. |
| | | COMPUTER PROGRAMMING & SYSTEM ANALYSIS-I | V | Demonstrate proficiency in problem solving techniques using the computer. Have the ability to write a computer program to solve specified problems |
| | | BASIC COMPLEX ANALYSIS | VI | This course aims to introduce the basic ideas of analysis. Particular emphasis has been laid on Cauchy theorem , series expansions and calculation of residues. |
| | | ALGEBRA | VI | The objective of this course is to introduce the fundamental theory of two objects. The fundamental concepts of ring ,fields, subring, integral domain. |
| | | TOPOLOGY OF MATRIC SPACES & REAL ANALYSIS | VI | The course will develop a deep of metric spaces. To prove the results about the connected, compactness and completeness. |
| | | NUMERICAL ANALYSIS-II | VI | The use of computer algebra system by Which the numerical problems can solve both numerical and analytical. To comprehend various computational techniques to find approximate value for possible roots of non algebraic equations. |
| | | COMPUTER PROGRAMMING & SYSTEM ANALYSIS-II | VI | Be able to use the Java SDK environment to create. Have demonstrated comprehension in relevant areas of mathematics. |
| | | BOTANY : PLANT DIVERSITY-III | V | 1.Studying adaptation biology and understanding/exploiting medicinally important plants for useful bioactives. 2. Understanding the Algae ,fungi ,bryophytes,pteridophytes,Microbiology,Angios |



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| | | | | <p>permae and gymnospermae plant adaptation and ecological functioning.</p> <p>3. Origin, evolution, and genetic diversity of microbial life.</p> <p>4. Microbial species and speciation.</p> <p>5. To classify the plant Kingdom</p> <p>6. General characters, origin and evolution of Plantae</p> |
| | | BOTANY : PLANT DIVERSITY-III | VI | <p>1. Studying adaptation biology and understanding/exploiting medicinally important plants for useful bioactives.</p> <p>2. Understanding the Algae ,fungi ,bryophytes,pteridophytes, Microbiology, Angiospermae and gymnospermae plant adaptation and ecological functioning.</p> <p>3. Origin, evolution, and genetic diversity of microbial life.</p> <p>4. Microbial species and speciation.</p> <p>5. To classify the plant Kingdom</p> <p>6. General characters, origin and evolution of Plantae</p> |
| | | BOTANY : FORM AND FUNCTION- III | V | <p>1. To understand the structures and purposes of basic components of types of cells, especially macromolecules, membranes, and organelles</p> <p>2. Students will understand how these cellular components are used to generate and utilize energy in cells.</p> <p>3. Summarize the role of each cell structure in plant development</p> <p>4. Evaluate the importance of various plant tissues in plant development.</p> <p>5. Our objective is to provide training in scientific and transferable skills through modular lecture courses, research projects, written work, seminars and supervisions.</p> <p>6. Identify the ionic forms in which essential macro-elements are typically available in the soil.</p> <p>7. Identify the essential elements, rank their relative abundance in plant tissues,</p> |
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| | | | | <p>3. Summarize the role of each cell structure in plant development</p> <p>4. Evaluate the importance of various plant tissues in plant development.</p> <p>5. Our objective is to provide training in scientific and transferable skills through modular lecture courses, research projects, written work, seminars and supervisions.</p> <p>6. Identify the ionic forms in which essential macro-elements are typically available in the soil.</p> <p>7. Identify the essential elements, rank their relative abundance in plant tissues,</p> |
| | | BOTANY: CURRENT TRENDS IN PLANT SCIENCES-II | V | <p>1. Investigate utilization and domestication of crop plant throughout history.</p> <p>2. Investigate many uses of plants by other culture</p> <p>3. Study origin, distribution, botanical description, brief idea of cultivation and economic uses of pulses</p> <p>4. Analyse morphological description, brief idea of cultivation and economic uses of medicinal plants</p> <p>5.. Study botanical description, processing and uses for biological source.</p> <p>6. To study tools and techniques used in biotechnology, bioinformatics technology.</p> <p>7. Study different biological data by using biostatistical methods</p> |
| | | BOTANY: CURRENT TRENDS IN PLANT SCIENCES-II | VI | <p>1. Investigate utilization and domestication of crop plant throughout history.</p> <p>2. Investigate many uses of plants by other culture</p> <p>3. Study origin, distribution, botanical description, brief idea of cultivation and economic uses of pulses</p> <p>4. Analyse morphological description, brief idea of cultivation and economic uses of medicinal plants</p> <p>5.. Study botanical description, processing and uses for biological source.</p> <p>6. To study tools and techniques used in biotechnology, bioinformatics technology.</p> <p>7. Study different biological data by using biostatistical methods</p> |



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| | | BOTANY: HORTICULTURE AND GARDENING | V | <ol style="list-style-type: none"> 1. To promote the profession of Horticulture 2. To confer recognised status upon professionally qualified and experienced horticulturists 3. To promote educational and training opportunities and encourage the development of all disciplines within horticulture 4. To promote the importance of horticulture in: food and ornamental plant production providing employment, often in rural areas improving the environment creating and managing valuable sports and recreation facilities as one of the main leisure pursuits - gardening |
| | | BOTANY: HORTICULTURE AND GARDENING | VI | <ol style="list-style-type: none"> 1. To promote the profession of Horticulture 2. To confer recognised status upon professionally qualified and experienced horticulturists 3. To promote educational and training opportunities and encourage the development of all disciplines within horticulture 4. To promote the importance of horticulture in: food and ornamental plant production providing employment, often in rural areas improving the environment creating and managing valuable sports and recreation facilities as one of the main leisure pursuits - gardening |

