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| **1.1 List of courses offered across all programs during last five years** | | | | |  |  |
| **Program code** | **Program Name** | **Course code** | **Course Name** | **Year of introduction** | **Programme Outcome** | **Course Outcome** |
| Under Graduate | B.Com | BC103 | Principal of Business Management | 2013-14 | The Program offers various advantages to the students. They can find career opportunity in banking, retailing, education teaching, media communication and so on. The candidate can pursue higher study in diverse area of commerce. | Students will gain knowledge about the different functions of management which managers perform for smooth running of business and how different functions should be  coordinated to achieve business targets. |
| Under Graduate | B.Com | BC101 | Financial Accounting -1 | 2013-14 | It helps to know how to deal with financial matter |
| Under Graduate | B.Com | BC105 | Bussiness Mathematics-I | 2013-14 | It helps the students in arrangement & selection of the data regarding the Permutation and combination, Arithmetic and Geometric Progression in daily life problems. It Helps the students to collect & interpret the data |
| Under Graduate | B.Com | BC102 | Micro Economiocs | 2013-14 | Micro economics is useful for getting knowledge how market mechanism determines price in a free market economy. It also helps in business planning and preparation of  competitive exam. |
| Under Graduate | B.Com | BC106 | Bussness communication | 2013-14 | Business communication helps to the students  to know about different behaviour skill of communication. |
| Under Graduate | B.Com | BC104 | Introduction to Computer Application | 2013-14 | It provides the basic knowledge and use of computer basics like use of computer in ms- office. |
| Under Graduate | B.Com | BC206 | Business Environment of Haryana | 2017-18 | Through this subject, student will familiarize with the surroundings of business in haryana which effect their working and also students will learn about diffierent strategies adopted by businesses under different environement. |
| Under Graduate | B.Com | BC201 | Financial Accounting-II | 2017-18 | It will help the students to know the practical aspect of finance. |

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| Under Graduate | B.Com | BC205 | Business Mathematics-II | 2013-14 |  | Enable students to analyze real world scenarios to recognize when simple and compound interest, annuities, payroll preparation, pricing and depreciation are appropriate, formulate problems about the scenarios, creatively model  these scenarios. |
| Under Graduate | B.Com | BC202 | Macro Economics | 2013-14 | Macroeconomics helps to understand how the economy is working as a whole. It focuses on the changes in economy such as unemployment, growth rate,GDP, and inflation. It is important part for competitive  exams like, UPSC, IES, SSC, HSSC, etc. |
| Under Graduate | B.Com | BC204 | E -commerce | 2017-18 | E –commerce provides details about various activities involved in electronic transaction of an organisation such as mobile commerce, electronic fund transfer, supply chain management, processing, EDI and  inventory management. |
| Under Graduate | B.Com | BC203 | Fundamentals of Marketing | 2017-18 | Market is continuously changing and business can not survive without changing strategies regarding marketing mix so students will learn about strategies regrading four P's. students will gain knowledge about various concepts of price. place, product and  promotion. |
| Under Graduate | B.Com | BC207 | Environmental Studies Qualifying Paper) | 2013-14 | Students learn various social issues and their relation with environment like sustainable development, urban problems related to energy, water conservation, rain water  harvesting, and watershed management. |
| Under Graduate | B.Com | BC306 | Rural Marketing | 2014-15 | It will help the students to know the rural marketing activities taking in rural areas. |
| Under Graduate | B.Com | BC303 | Bussiness law -1 | 2014-15 | It helps to know about different laws regarding different business operation. |

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| Under Graduate | B.Com | BC302 | Bussiness Statistics-I | 2014-15 |  | Now statistics is used in all areas like business, industry, agriculture and education etc. because through statistics, whole data can be represented by single items and business use its tools for decision making. Students will learn different methods like mean, median, mode, standard deviation, quartile deviation, index numbers and time series analysis etc. these methods tells that how business can  predict futures. |
| Under Graduate | B.Com | BC301 | Corporate Accouting- 1 | 2014-15 | It helps to understand the meaning of holding company merger and able to improve understanding about insurance and banking activities in numerical form. |
| Under Graduate | B.Com | BC304 | Company Law-I | 2014-15 | It helps the students to know about corporation law, how often describes the matter which  derive directly form the life cycle of a corporation. |
| Under Graduate | B.Com | BC305 | Indian Financial System | 2014-15 | It describes that how the various financial markets in India play significant role in an  economy |
| Under Graduate | B.Com | BC403 | Bussiness law -II | 2014-15 | It helps to know about different laws regarding different business operation. |
| Under Graduate | B.Com | BC401 | Corporate Accounting-II | 2014-15 | It helps to understand the meaning of holding company merger and able to improve understanding about insurance and banking  activities in numerical form. |
| Under Graduate | B.Com | BC402 | Bussiness Statistics-II | 2014-15 | It can be used for quality assurance, financial analysis, production and operation and many other business areas. |
| Under Graduate | B.Com | BC406 | Advertising | 2014-15 | It will help the students to know about how advertising use as non-personal form of  communication. |
| Under Graduate | B.Com | BC404 | Company Law-II | 2014-15 | It helps the students to know about corporation law, how often describes the matter which derive directly form the life cycle of a  corporation. |

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| Under Graduate | B.Com | BC405 | Computerised Accounting System | 2014-15 |  | It provides the information of accounting software Tally ERP 9 which is used to record the business transaction electronically and  practicle use of Tally ERP 9. |
| Under Graduate | B.Com | BC501 | Cost Accounting | 2015-16 | Financial accounting is not able to provide per unit cost of product which is required for knowing the profitability of each product so cost accounting is used by mostly business. It also helps to the students to understand for any production and selling plans, it is important to have detailed data about the machines, labour capacity, level and level of efficiency of each process etc. |
| Under Graduate | B.Com | BC503 | Income tax -1 | 2015-16 | It helps to the students to know about various section of Tax, deduction and  exemption to income tax. |
| Under Graduate | B.Com | BC505 | Financial Management | 2015-16 | Students learn about different methods of managing finance because company have different options for collecting funds and utilising funds. They also familiarize with methods to optimize return of business by  using availabe resources. |
| Under Graduate | B.Com | BC504 | Auditing | 2015-16 | It will help to know about audit which mainly associated with gaining information about financial system and financial records of a company or a business. |
| Under Graduate | B.Com | BC502 | Supply Chain Management | 2015-16 | It helps to understand how to improve efficiency, cost reduction effect and raise  output. |
| Under Graduate | B.Com | BC508 | GST | 2015-16 | It helps to the students to understand the meaning of GST and its application. |

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| Under Graduate | B.Com | BC601 | Management Accounting | 2015-16 |  | Financial Accounting provides information about profit, loss, assets and liabilities of bsuienss but not all information which is helpful in taking decions by management. Mangement accounting selects data which is useful for management and students gain knowledge about methods like budgetary control, standard costing, comparative statement, ration analaysis , cash & func flow statement used for analysis  purpose. |
| Under Graduate | B.Com | BC603 | Income tax-2 | 2015-16 | It helps to the students to know about various section of Tax, deduction and exemption to  income tax. |
| Under Graduate | B.Com | BC602 | Fundamental of Insurance | 2015-16 | It helps to understand the meaning of holding company merger and able to improve understanding about Insurance and banking activities in numerical form. |
| Under Graduate | B.Com | BC605 | Business Environment | 2015-16 | It will helps to students to know about SWOT analysis, internal and external environment and environment scanning. |
| Under Graduate | B.Com | BC608 | Human Resource Management | 2015-16 | It enables the students to understand the different human resource aspects. |
| Under Graduate | B.Com | BC604 | Retail Management | 2015-16 |  | It will help to know the process which helps the customers to procure the desired merchandise form the retail stores for their  personal use. |
| Under Graduate | B.A | HIST101 | Ancient India (From Earliest Time To Gupta Age) | 2013-14 | The students acquire knowledge in the field of social sciences, literature and humanities which make them sensitive and sensible | History of Ancient India (Gupta period to early period) The course of this semester provides students with information from ancient times to the Gupta Empire. In which the development of human civilization and information about ancient kingdoms are available. Questions related to this course are  also asked in competitive examinations. |

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| Under Graduate | B.A | HIST103 | History of India (600-1526 A.D) | 2013-14 | enough. The programme also empowers the graduates to appear for various competitive examinations. The  B.A. graduates will be acquainted with the social, economical,  historical, geographical, political, ideological and philosophical tradition and thinking. the students will be ignited enough to think and act over for the solutions of various issues prevailed in the human life to make this world better than ever. | The history of India (from 600 AD to 1526) gives students information about the course of this semester from Harshavardhana to 1526. It has information about Harshavdhan, Chola, Rajpool and Muslim invaders. Information about Sultanate society, politics, economy, art and culture is available in it. Questions related to this are also asked in the contestant. |
| Under Graduate | B.A | HIST201 | Political History of INDIA (1526-1857 A.D) | 2014-15 | Political history of India (from 1526 AD to 1857) The course of this semester provides students with information about the first war of Panipat from 1526 AD to the first freedom struggle of India. In this, children are aware of the establishment of Mughal dynasty, their policies, administration and decline. It contains information about the establishment, expansion and first freedom struggle of the English Empire in India. It helps students in competitive examinations. |
| Under Graduate | B.A | HIST203 | Indian national movement | 2014-15 | The course of this semester makes information available from the establishment of the Congress to the partition of India. It contains laws introduced in India by the freedom movement of India, revolutionary activities, and the British. Questions are asked  in competitive exams from this course. |
| Under Graduate | B.A | HIST302 | Rise of modern world | 2015-16 | The course of this semester provides information from feudalism to agricultural revolution in Europe. In this, information about the global, economic and intellectual  events is found. The course is helpful for students in preparing for competitive exams. |
| Under Graduate | B.A | HIST304 | Modern world | 2015-16 | he course of this semester provides information about the modern world. This gives the students information about modern  world revolutions. This course helps students prepare for competitive examinations. |
| Under Graduate | B.A | BECO101 | Principles of Micro economics-I | 2013-14 | Micro economics is useful for getting knowledge how market mechanism determines |

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| Under Graduate | B.A | BECO201 | Principle of Micro economics-II | 2013-14 |  | price in a free market economy. It also helps in business planning and preparation of  competitive exam. |
| Under Graduate | B.A | BECO301 | Principle of Macroeconomics-I | 2014-15 | Macroeconomics helps to understand how the economy is working as a whole. It focuses on the changes in economy such as unemployment, growth rate,GDP, and inflation. It is important part for competitive  exams like, UPSC, IES, SSC, HSSC, etc. |
| Under Graduate | B.A | BECO401 | Principle of Macroeconomics-II | 2014-15 |
| Under Graduate | B.A | BECO-503 | Economics of Development | 2015-16 | It identifies the economics problems, causes and their consequences in developing countries and also tells how to overcome these problems.  The field of economics development is intended to ground students in a variety of analytical perspective on the development process. This subject is also useful in respect to competitive exams |
| Under Graduate | B.A | BECO-601 | Economic Development and Policy in India | 2015-16 |
| Under Graduate | B.A | ENGC101 | English Compulsory | 2013-14 | The book ‘Literature and language” is prescribed for 1stsemester. This syllabus is based on Indianliterature. The student can learn Indian writer. The syllabus is related to phonetics. Students can improve their  communication and language skills. |
| Under Graduate | B.A | ENGC102 | English Compulsory | 2013-14 | The book ‘Literature and Language’ is prescribed for 2ndsemester. This Syllabus is based on IndianLiterature. The student learn this syllabus about Indian culture. It involves the study of stories. Students can improve  Communication. |
| Under Graduate | B.A | ENGC201 | English Compulsory | 2014-15 | This book ‘Fragrances’ is prescribed for poetry. The students learn poetic forms through this book. Students can improve language skills. The students can learn about  materialistic through the poetry. |
| Under Graduate | B.A | ENGC-202 | English Compulsory | 2014-15 | The book ‘Centrestage ‘is prescribed for 4thsemester. Through this syllabus the student learns about American, Russianand Indian Literature. They can improve their language  skills. It is beneficial for the students of competitive exam. |

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| Under Graduate | B.A | ENGC301 | English Compulsory | 2015-16 |  | 1. Indian writer Raja Rao’s Novel “kanthapura” is prescribed for this semester. 2. The students can understand the important of “Non Violence” through this novel. 3. The students can aware about the vices of caste – system that is prevailing in our society. 4. It is a Gandhian literature and the students can know about Indian independence movement through this play. |
| Under Graduate | B.A | ENGC302 | English Compulsory | 2015-16 | 1. Shakespeare’s famous play “the merchant of Venice is prescribed for this semester. 2. The students learn about “Money is not everything.” 3. The students also learn that “Debt can be dangerous”. 4.The Students can improve their communication skill through this play. It is a tragic- comedy. |
| Under Graduate | B.A | HINC 101 | Hindi Compulsory | 2013-14 | This book gives students information about the major poets of Bhaktakal and Ritikal.  Questions related to Hindi literature are also asked in competitive examinations. |
| Under Graduate | B.A | HINC 102 | Hindi Compulsory | 2013-14 | The course of this semester highlights the drama genre in Hindi literature. Incidents based on secret years give students information  about history. |
| Under Graduate | B.A | HINC 201 | Hindi Compulsory | 2014-15 | The course of this semester introduces students to the writing style of modern-day poets |
| Under Graduate | B.A | HINC 202 | Hindi Compulsory | 2014-15 | The syllabus of this semester which shows the development journey of 'Kahaani' in Hindi literature arouses the interest of students in this  genre |
| Under Graduate | B.A | HINC 301 | Hindi Compulsory | 2015-16 | The course of this semester introduces the students to the social consciousness of modern  poets. |
| Under Graduate | B.A | HINC 302 | Hindi Compulsory | 2015-16 | The syllabus of this semester illuminates the essay mode. Questions related to this are also asked in competitive examinations. |

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| Under Graduate | B.A | BAMH 101 | Algebra | 2013-14 |  | Topics for exam matrices, polynomial, equations, solution of cubic and biquadratic equationare coveredunder this course. These are some basic concepts of mathematics which have application in different Branches of  science. |
| Under Graduate | B.A | BAMH 102 | Calculus | 2013-14 | Reduction formulae, integration, differentiation, quadrature, rectification, limit continuity are covered under calculus. These topics have a wide application in Mathematics  as well as other branches of science. |
| Under Graduate | B.A | BAMH 103 | Math Lab-1 | 2013-14 | It is practical subject in which practical knowledge of programming in C is given. and  it is well known to us that programming in ‘C’ has wide application. |
| Under Graduate | B.A | BAMH 121 | Ordinary Differential Equation & Laplace Transform | 2013-14 | Differential equations have a remarkable ability to predict the world around us. They are used in a wide variety of disciplines from biology, Physics, economics, physics, chemistry and engineering. They can describe exponential growth and decay, the population growth of species or the change in investment  return over time. |
| Under Graduate | B.A | BAMH 122 | Vector Calculus and Geometry | 2013-14 | Vectors and geometry has a wide use in Physics, chemistry, engineering etc. |
| Under Graduate | B.A | BAMH 123 | Math Lab-2 | 2013-14 | It is a practical subject in which mathematical method particularly numerical analysis are solved by using C language. |
| Under Graduate | B.A | BAMH-201 | Advance Calculus | 2014-15 | Limit, continuity, differentiability of one variable, limit, continuity, differentiability of two variables etc. Topic are covered under advance calculus. This will help students to  understand higher. Approach to functions and solution of function. |

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| Under Graduate | B.A | BAMH-202 | Numerical Analysis | 2014-15 |  | Newton is forward and newton’s backward interpolation formulae gauss forward and gauss backward, Picard method, Taylor’smethod R-k methodis studied under numerical analysis. These different methods have different application in problem solving such as solution of differential equation, finding value of function at some point etc. |
| Under Graduate | B.A | BAMH-203 | Math Lab-3 | 2014-15 | Students will be able to make programs based on numerical methodsCo-1 Use of functions Co user defined functions,declaration , calling  etc |
| Under Graduate | B.A | BAMH 204 | Partical differential equation and special function | 2014-15 | Special function and partial differential equation partial differential equations are used to formulate the solutions of problems involving functions of several variables such as propagation of heat or sound have, fluid  flow etc. |
| Under Graduate | B.A | BAMH-205 | Mechanics-I | 2014-15 | Statics and dynamics are studied as branch of Mechanics. Force, equilibrium, motion, rest, velocity, projectile, motion in dimension etc. are covered under these branches i.e. statics and dynamics. These help students to  understand about motion and Equilibrium of bodies. |
| Under Graduate | B.A | BAMH-206 | Math lab-4 | 2014-15 | Methods under numerical analysis such that bisection method, regula falsi etc. are used with the help of programming in C. |
| Under Graduate | B.A | BM351 | Real Analysis | 2015-16 | Real analysis is useful to observe the behaviour of real numbers,  mapping/function,especially distance function, among different sets of real numbers. |
| Under Graduate | B.A | BAMH-301(i) | Groups and Rings | 2015-16 | It is useful to study the application and behaviour of elements of different structures with respect to the well- defined operations with them. It is also used to manage/observe the different permutation/probabilities of  realistic events. |

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| Under Graduate | B.A | BAMH-307(i) | Solid geometry | 2015-16 |  | It is useful to find out the approximate solutions of a problem instead of exact solutions whenever we are unable to find out  them exactly. |
| Under Graduate | B.A | BM 306(i) | Real & Complex Analysis | 2015-16 | It is useful to analyse the functioning of many phenomena like fluid flow, potential of a field in complex plane which is equivalent to R2. |
| Under Graduate | B.A | BAMH- 304(i) | Linear Algebra | 2015-16 | Study of linear algebra discusses about the linear operators, linear transformations and linear combination etc. of vectors in the linear space. It is useful to analyse some natural  phenomena like reflection, rotation and projection of basic objects in the linear space. |
| Under Graduate | B.A | BAMH- 305(i) | Machanics-II | 2015-16 | It analyse he movement of object/bodies under the influence of different forces. |
| Under Graduate | B.A | PSY-101 | Introduction to Psychology | 2020-21 | This paper will help students to develop and understand psychological concepts under lying human and animal behaviour. |
|  | B.A | PSY(P)  (101-102) | Psychology Practical | 2020-21 |
| Under Graduate | B.A | PSY-102 | Experimental Psychology | 2020-21 | This paper will help students to explore and better understand behaviour through empirical research methods. |
| Under Graduate | B.A | PY02(P) | Psychology Practical | 2020-21 |
| Under Graduate | B.A | PSY-201 | Social Psychology | 2020-21 | This paper will help students to understand cognition and behaviour of people as they naturally occur in a social context, but the very act of observing people can influence and alter  their Behaviour. |
| Under Graduate | B.A | PY03(P) | Psychology Practical | 2014-15 |
| Under Graduate | B.A | PSY-202 | Developmental Psychology | 2020-21 | Paper will help students to understand how thinking, felling and behaviours change how throughout life and examines the influences of nature and nature and nature on the process of  human development across life time. |
| Under Graduate | B.A | PSY(P)  201-202 | Psychology Practical | 2020-21 |
| Under Graduate | B.A | PSY-301 | Psychopathology | 2020-21 | It will help students to understand the scientific study of mental including efforts to understand their genetic, biological, psychological and  social causes. It enables the students to develop understanding for their treatment. |
| Under Graduate | B.A | PY05(P) | Psychology Practical | 2015-16 |

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| Under Graduate | B.A | PSY-302 | Applied psychology | 2020-21 |  | This paper will help students to enable and obtain the knowledge and skills of psychology which apply in practical setting of life. It will develop guidance and counselling skills in  students. |
| Under Graduate | B.A | PSY(P)  301-302 | Psychology Practical | 2020-21 |
| Under Graduate | B.A | POLS-101 | Indian Constitution | 2020-21 | This is an optional paper which cover historical development and constitution set –up from top to bottom in India. It held to the students for getting knowledge regarding their  rights & duties. |
| Under Graduate | B.A | POLS-103 | Indian Politics | 2020-21 | It’s also an optional paper which cover whole political system in our country. It helps to the students for gaining knowledge about Politico- Administration structure. |
| Under Graduate | B.A | POLS-202 | Indian Political Thinkers-I | 2020-21 | In this Optional Paper students have to advice teachings and moral values given by the  various Political Thinkers. |
| Under Graduate | B.A | POLS-204 | Indian Political Thinkers-II | 2020-21 | This optional Paper Covers life history, teachings and struggles for freedom. It helps to the students for getting useful moral valuable  knowledge. |
| Under Graduate | B.A | POLS-301 | Comparative Politics | 2020-21 | It Covers formal and informal structures of the various Political Institutions. It helps the students to obtain knowledge regarding Comparative study of various Political  systems. |
| Under Graduate | B.A | POLS-303 | Comparitive Constitutions of USA & UK | 2020-21 | This paper covers comparative study of the constitutions of UK and USA. It helps the students to get knowledge about comparative study of both constitutions. |
| Under Graduate | B.A | GEOG101 | Geography of India | 2013-14 | This paper includes the vast knowledge of India’s physical and cultural aspects. It also covers the G.K part for every competitive exam. |
| Under Graduate | B.A | GEOG102 | Maps, Scales (Practical) | 2013-14 |
| Under Graduate | B.A | GEOG103 | Physicial Geography- 1(Geomorphlogy) | 2013-14 | It covers the geomorphology branch of the subject. Which includes the theories and concepts about earth &landforms? |

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| Under Graduate | B.A | GEOG104 | Representation of Physical Features (Practical) | 2013-14 |  |  |
| Under Graduate | B.A | GEOG201 | Physicial Geography- II | 2014-15 | This paper includes the topic of weather & climate. It enhances the knowledge about at atmosphere, monsoon environment issues like global warming and pollution etc. |
| Under Graduate | B.A | GEOG202 | Representation of Climatic Data (Practical) | 2014-15 |
| Under Graduate | B.A | GEOG203 | Human Geography | 2014-15 | This branch includes the social and cultural aspects of India & world. Which have a great importance for population studies. The students interact with human aspects of geo. |
| Under Graduate | B.A | GEOG204 | Map Projections (Practical | 2014-15 |
| Under Graduate | B.A | GEOG301 | Economic Geography | 2015-16 | This paper covers the all economic activities in the world. It aware the students about resources in the world. Which have great importance for sustainable development for the future world. |
| Under Graduate | B.A | GEOG302 | Distribution Maps, Diagrams, | 2015-16 |
| Under Graduate | B.A | GEOG303 | Introduction to Remote Sensing, GIS & Quantitative Method. | 2015-16 | This part of Geo is more scientific & technical.  It provides the latest knowledge of recent technology used in geography. It gives big carrier opportunities to the students in private field and multinational software companies. |
| Under Graduate | B.A | GEOG304 | Remote Sensing & Field Survey Report (Practical) | 2015-16 |
| Under Graduate | B.A | BAMV 101 | Communication Principles | 2015-16 | This paper enhances the basic knowledge about communication and personality. Which helps the students in day to day life? |
| Under Graduate | B.A | BAMV 102 | Radio & Television in India | 2015-16 | The paper covers the historical as well as the present scenario of radio and television. Which helps the students to make the carrier in this  field. |
| Under Graduate | B.A | BAMV-103 | Writing for TV & Radio electronic media | 2016-17 | As the paper name indicates, it develops the writing skills of the students which will be beneficial in the media. |

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| Under Graduate | B.A | BAMV-104 | Basics of video Editing | 2016-17 |  | Editing is must in every media. Students can have a bright future with the basics of editing. |
| Under Graduate | B.A | BAMV-105 | Media Production | 2017-18 | This paper provides the basic knowledge in the production field. Through which students can become producer as well as director. |
| Under Graduate | B.A | BAMV-106 | Production Portfolio | 2017-18 | This paper is complete practical. Which gives knowledge about pre-production production and past production. |
| Under Graduate | B.A | HPE 101 | Health and Physical Education | 2015-16 | In this semester, It help us to remove misconceptions regarding physical education. And also clear the concept of health it also clears the concept of yoga. |
| Under Graduate | B.A | HPE (P) 102 | Health and Physical Education(Practical) | 2015-16 |
| Under Graduate | B.A | HPE 103 | Health and Physical Education | 2015-16 | It gives the knowledge about first and, historical development of physical EducationAnd clear the concept of physical Fitness and also give knowledge of human bone and joints. |
| Under Graduate | B.A | HPE (P) 104 | Health and Physical Education(Practical) | 2015-16 |
| Under Graduate | B.A | HPE 201 | Health and Physical Education | 2016-17 | Gives knowledge of sports injuries, communicable and now communicably diseases. Clear the concept of Balance diet.  And knowledge about circulatory system. |
| Under Graduate | B.A | HPE (P) 202 | Health and Physical Education(Practical) | 2016-17 |
| Under Graduate | B.A | HPE 203 | Health and Physical Education | 2016-17 | Giver knowledge to understand the importance of working up and cooling down and clear the concept of sports psychology i.e. lows of learning. also give knowledge of Olympic game and Asian game and also clear  the respiratory system. |
| Under Graduate | B.A | HPE (P) 204 | Health and Physical Education(Practical) | 2015-16 |
| Under Graduate | B.A | HPE 301 | Health and Physical Education | 2016-17 | Clear the concept of growth and development and also help to understand the posture and postural deformities, this chapter give knowledge of muscular system |
| Under Graduate | B.A | HPE (P) 302 | Health and Physical Education(Practical) | 2016-17 |
| Under Graduate | B.A | HPE 303 | Health and Physical Education | 2017-18 | Clear the concept of motivation and socialization. To understand concept of sports |

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| Under Graduate | B.A | HPE (P) 304 | Health and Physical Education(Practical) | 2017-18 |  | training and sport Bio mechanics it also clears the digestive system. |
| Under Graduate | B.A | EVS-201L | Environemental Studies | 2013-14 | This subject provides knwoledge regarding various social and environmental issues like optimal use of renewable and non renewable resources, rain water harvesting, water conservation, sustainable development and  also learn about legislative methods for dealing environmental issues. |
| Under Graduate | B.A | L1-(I)  (ALT-101  &(ALT-102 | Computer Awareness Level1(Basic Computer Education) | 2013-14 | This course provides knowledge about use of MS Word, MS Excel, MS Powerpoint and fundamentals of computer and its use. Students will learn practical use of various menus of MS Office. |
| Under Graduate | B.A | L1-(II) | Computer Awareness | 2018-19 | This course provides knowledge about use of MS Word, MS Excel, MS Powerpoint and fundamentals of computer and its use. |
| Under Graduate | B.Sc (Non- Medical) | CPL-102 | Mechanics 1 | 2014-15 |  | It is the branch of physics dealing with the study of the motion when subjected to force. Motion is the fundamental idea in all of sceicne. |
| Under Graduate | B.Sc (Non- Medical) | CPL-103 | Electricity and Magnetism 1 | 2018-19 |  | Electrostatics physics study the either Stationary or moving electric chargesWhere magnetism is defined as the Physical phenomenon produced by Moving electric charge. |
| Under Graduate | B.Sc (Non- Medical) | CPP-108 | Physics Lab-I | 2018-19 |  |
| Under Graduate | B.Sc (Non- Medical) | CPL-202 | Mechanics 2 | 2018-19 |  | It is the branch of the physics that deal with  how the action of force affects material bodies  or functional part of an activity. |
| Under Graduate | B.Sc (Non- Medical) | CPL-203 | & Electricity, Magnetism and Electromagnetic Theory-II | 2018-19 |  | An interaction between electricity and Magnetism as when an electric current. Generates a magnetic field and vice Versa. |
| Under Graduate | B.Sc (Non- Medical) | CPP-208 | Physics Lab-II | 2018-19 |  |
| Under Graduate | B.Sc (Non- Medical) | CPL-302 | Heat and Thermodyamics | 2019-20 |  | It is the branch of physics that deal with heat and temperature and their relation to energy, work, radiation and properties of matter. |
| Under Graduate | B.Sc (Non- Medical) | CPL-303 | Semiconductor Device | 2019-20 |  | It has the conductivity between that of a Conductor and an insulator. |
| Under Graduate | B.Sc (Non- Medical) | CPP-308 | Physics Lab-III | 2019-20 |  |
| Under Graduate | B.Sc (Non- Medical) | CPL-402 | Statistical Physics | 2019-20 |  | It is the branch of physics that use method of probability theory and statistics. |
| Under Graduate | B.Sc (Non- Medical) | CPL-403 | Waves And Optics | 2019-20 |  | It studies interferences, diffraction, polarization and other Phenomenon for which the ray approximation of geometric. |
| Under Graduate | B.Sc (Non- Medical) | CPP-408 | Waves And Optics | 2019-20 |  |
| Under Graduate | B.Sc (Non- Medical) | CPL- 501 | Elements of Modern Physics | 2020-21 |  | The course on elements of modern physics deals with Bohr model, fundamental of wave, mechanics, Heisenberg uncertainty principle, Schrodinger equ. And laser. The students will be able to understand photo electric effect and Compton scattering, calculation of energy levels for H like atoms, principle and working of laser systems. |
| Under Graduate | B.Sc (Non- Medical) | CPL- 502 | Nuclear Physics | 2020-21 |  | The course on nuclear physics deals with basic properties of Nuclei radioactivity, nuclear models and nuclear forces, radiation interaction, nuclear reactions, nuclear radiation, detector and nuclear reactor. The students will be able to understand nuclear composition and nuclear properties, nuclear models, nuclear detectors and reactors. |
| Under Graduate | B.Sc (Non- Medical) | CPL- 601 | Solid State Physics | 2020-21 |  | The course on solid state physics deals with some important concepts of crystal structure, lattice vibrations, band theory, magnetic properties of matter and super conductivity. The students will be able to understand the concept of crystal planes and miller indices, phonon, currier law, applications of superconductivity. |
| Under Graduate | B.Sc (Non- Medical) | CPL-602 | Quantum Mechanics | 2020-21 |  | The course of quantum mechanics deals with application of Schrodinger equation, spectroscopic terms and rotational and vibrational spectra of diatomic molecules. The students will be able to understand the basic concepts of quantum mechanics, one dimensional harmonic oscillator problem, coupling schemes, rotational and vibrational spectra of diatomic molecules. |
| Under Graduate | B.Sc (Non- Medical) | CPP 603 | Physics Lab- IV | 2020-21 |  |
| Under Graduate | BSc Medical | ZOO-101L | Animal Biodiversity I | 2020-2021 | The program offers practical and theoretical knowledge about the types of animals and their morphological, anatomical, behavioural, developmental, genetical and evolutionary characteristics.  Develop insight and improve their analytical communication and professional skills. Enhance the technical skills for experimental purposes.  Also helps to understand about insect vectors, aquatic biology, skill enhancement subjects etc. | To understand the general characters, classification upto classes of Kingdom Animalia and Phylum Porifera, Phylum Protista, Cnideria, Platyhelminthes, Nematohelminthes, annelids, Arthropods and Molluscs, metamorphosis and metamerism of some Non Chordates. |
| Under Graduate | BSc Medical | ZOO-102L | Animal Biodiversity II | 2020-2021 |  | To understand the general characters, classification upto classes of groups Echinodermata, Protochordates, Agnatha, Pisces,Amphibia, Reptiles, Aves and Mammals, water Vascular system, osmoregulation, poisonous and non poisonous snakes,flight adaptation and origin of mammals. |
| Under Graduate | BSc Medical | ZOO-103P | Zoology Lab-I | 2020-2021 |  | To understand the specimen organisms of phyum non chordates, study of life history of sycon, ascaris, taenia using permanent slides, identify and studey the poisonous and non poisonaous snakes using photos, cutouts and models. |
| Under Graduate | BSc Medical | ZOO-201L | Comparative Anatomy & developmental Biology of Vertebrates I | 2020-2021 |  | Comparitive anatomy and developmental biology understand the derivatives of integuments w.r.t. glands and digital tips, alimentry canal digestive glands, gills, lungs, airsacs and swimm bladder. Evolution of heart and urinogenital ducts, comparative acount of brain of vertebrtes. |
| Under Graduate | BSc Medical | ZOO-202L | Comparative Anatomy & developmental Biology of Vertebrates II | 2020-2021 |  | This subject understand the developmental brief of gametogenesis, fertilization, and early development of amphibian and mammals, cleavage pattern of vertebrate zygotes , neurulation, placental developments, metamorphosis and differentiation, cell movement and morphogenesis. |
| Under Graduate | BSc Medical | ZOO-203P | Zoology Lab-II | 2020-2021 |  | Practical work helps to understand the skeletl system of aves and mammals, developmental stages of frog, types of placenta and examination of gametes with the help of skeletal models and permanent slides |
| Under Graduate | BSc Medical | ZOO-301L | Physiology and Biochemistry 1 | 2020-2021 |  | To understand the neuron , types of neurons, molecuar and chemical basis of nerve conduction and muscle contraction, physiology of digestion, absorption of carbohydrates, proteins, lipids, vitamins, respiratory volume and capacity, transportation of gases and nutrients with the help of blood,excretory system and counter current mechnism, composition of blood, cardiac cycle and cardiac impulses in vertebrates. |
| Under Graduate | BSc Medical | ZOO-302L | Physiology and Biochemistry II | 2020-2021 |  | To understand the male and female reproductive system, their physiology and hormonal control of menstural cycle, Endocrine glands of vertebrates, different metabolic cycles regarding to energy production by breakdown of carbohydrates, protein and lipids, enzymes and their mechanism of action. |
| Under Graduate | BSc Medical | ZOO-303P | Zoology Laboratory Practical-III | 2020-2021 |  | To understand the preparation of heme crystals of blood cells, permanent histological slides of different endocrine glands, microscopic study of bone and cartilage tissues, estimation of carbohydrate,m priteins usung different methods, study the activity of salivery amylase. |
| Under Graduate | BSc Medical | ZOO-401L | Genetics and Evolutionary Biology II | 2020-2021 |  | To understand the chromosomes, alles, exrtra chromosomal inheritance, recombination, crossing over, genetic inheritance, transmission of different traits and somatic cell genetics, chromosomal mutaion and gene mutation |
| Under Graduate | BSc Medical | ZOO-402L | Genetics and Evolutionary Biology II | 2020-2021 |  | To understand the major and minor changes during the evolution of life with the help of different theories given by different scientists, phylogeny of mammals, species, mode of speciation, Principles of macroevolution and extinction of animals species. |
| Under Graduate | BSc Medical | ZOO-404L  OR  ZOO-405L  OR  ZOO-406L  OR  ZOO- 407L | Skill Enhancement Course | 2020-2021 |  | To understand the apiculture i.e. biology of honey bee, beehives, bee disease and it's control, products of apiculture industries. Aquarium fish keeping, fish industries, sexual dimorphism, fish feed, fresh and marine aquarium fishes, live fish transport and aquarium maintenance. medical diagnostics introduction, blood composition preparation of blood smear, counting of blood cells, symptoms of diabetes and their control, bacterial disease and their control, bone fracture. serieculture introduction, type and distribution of silkworm, life cycle, silkworm rearing technology and pests of silkworm. |
| Under Graduate | BSc Medical | ZOO-403P | Zoology Lab Practical-IV | 2020-2021 |  | To understand the Mendalian inheritance and gene interations using examples, study of human karyotype, study of fossils evidences, study of gene mapping. Phylogeny of horse, cut outs of beaks and feet, darwin finches with the help of charts andvisit of zoological museum. |
| Under Graduate | BSc Medical | ZOO-501L  OR  ZOO-504L | Applied Zoology I  OR  Aquatic Biology I | 2020-2021 |  | To understand the natural resources, ecosystem concept, types of ecosystem, food chain food web, energy flow, biodiversity and its conservation, biographical classification of India, threats of biodiversity, environmental pollution, social issues and environment, human population |
| Under Graduate | BSc Medical | ZOO-502L  OR  ZOO-505L | Applied Zoology II  OR  Aquatic Biology II | 2020-2021 |  | Aquatic Biology - Describe the aquatic biomes, fresh water and marine water, estuaries, ocean zone, coral reefs.Students will able to classify the lakes, their ecosystem, morphometry and physiochemical characteristics of lakes. Brief introduction of different types of pollution, and control.  Applied Zoology- gain knowledge to define the host types, symbiosis relationship, their prevention and control of diseases eg. Tuberculosis, Typhoid.  Life cycle of Wucheria, Entamoeba, Plasmodium etc. and their pathogenicity. Their mode of imfections. Principle of poultry breeding , their management, processing and their preservation. |
| Under Graduate | BSc Medical | ZOO-503P  OR  ZOO-506P | Zoology Lab Practicals-V | 2020-2021 |  | Study of diiferent insect damage to different plants/stored grains arthropds vectors.  Study lake morphometry by graphimetric method, identification of phytoplanktons and zooplanktons from lake water samples, identification of physiochemical property etc. |
| Under Graduate | BSc Medical | ZOO-601L  OR  ZOO-604L | Reproductive Biology I  OR  Insect Vector and Diseases I | 2020-2021 |  | Reproductive Biology helps us to know about the male and female reproductive organs, their structure, anatomy, physiology and chemical control. Hormones related to menstrual cycle, assisted reproductive techniques.  Insect Vectors and diseases- studied about the insects, morphological features, classification of insects vectors upto order. study of some insect vectors and type of disease spreaded by them. |
| Under Graduate | BSc Medical | ZOO-602L  OR  ZOO-605L | Reproductive Biology II  OR  Insect Vector and Diseases II | 2020-2021 |  | Reproductive Biology helps us to know about the male and female reproductive organs, their structure, anatomy, physiology and chemical control. Hormones related to menstrual cycle, assisted reproductive techniques.  Insect Vectors and diseases- studied about the insects, morphological features, classification of insects vectors upto order. study of some insect vectors and type of disease spreaded by them. |
| Under Graduate | BSc Medical | ZOO-603P  OR  ZOO-606P | Zoology Lab Practicals-VI | 2020-2021 |  | To study the histological slides using microscope, identification of insect Vectors using specimens.  Histological slides of human male and female gonadal parts, examination of vaginl smear, sperm count and sperms motility in rat etc. |
| Under Graduate | B.Sc(Non- Medical+ Medical) | CCL-104 | Inorganic Chemistry-I  (atomic str.& bonding) | 2014-15 |  | To make students understand the periodic properties like atomic & ionic size ionisation energy, Quantum mechanics covalent & ionic Bonding & about molecular structure. |
| Under Graduate | B.Sc(Non- Medical + Medical) | CCL-105 | Organic Chemistry-I  (General organic chemistry& aliphatic  Hydrocarbon.) | 2014-15 |  | Students become eligible to study the subject initially by understanding the basic things for chemical reaction i.e. substrate and reagent, types of reagents, electrophilic reactions and  Nucleophilic reaction: all type of effect i.e., inductive effect, resonance effect & hypercomputation effect. |
| Under Graduate | B.Sc(Non- Medical + Medical) | CCP-109 | Chemistry Lab-I | 2014-15 |  | To enhance the knowledge of the students  about the deduction of extra element in any organic mixture & separation of mixture by chromatography (Rf value). And learn about volumetric Analysis in which one substance of known conc. and volume is used to react with another substance of unknown conc. |
| Under Graduate | B.Sc(Non- Medical + Medical) | CCL-204 | Organic Chemistry-II  (Funetional Group  Organic Chemistry-I) | 2014-15 |  | To enhance the knowledge of the students about the Aromatic hydrocarbon, Alkyl and Aryl halides and the methods of preparation of Alcohol, Phenol, Ether Aldehyde &Ketones and arrange the laws of thermos-dynamics for chemical reaction and calculate the internal energy and heat exchange. |
| Under Graduate | B.Sc(Non- Medical + Medical) | CCL-205 | Physical Chemistry-I  (Chemical Energetics and Equilibria) | 2014-15 |  | Physical chemistry is the branch of chemistry which support in different ways to understand the subject theoretically which needs the help  of certain tools & the mathematical tools are important amongst it thus understanding the  mathematical ideas and students learn about all type of energies & equilibrium. |
| Under Graduate | B.Sc(Non- Medical+ Medical) | CCP-209 | Chemistry Lab-II | 2014-15 |  | To make students understand the purification of organic compound by crystallization and determination of boiling and melting point of organic compounds. Students become eligible to calculate Ph of different solution and determination of heat capacity, enthalpy of  neutralization, enthalpy of ionization. |
| Under Graduate | B.Sc(Non- Medical + Medical) | CCL-305 | Organic Chemistry-III  (Functional Group  Organic Chemistry-II) | 2014-15 |  | To ehance the knowledge of students about method of preparation of carboxylic acid sits derivatives, amines, diazonium salts and also learns about amino acid & proteins & their structure. |
| Under Graduate | B.Sc(Non- Medical + Medical) | CCL-304 | Physical Chemistry-II  Solution, Phase Equilibrium  Conductance &electrochemistry | 2015-16 |  | To enhance the ability of students in understanding the all type of solutions, phase equilibrium, conductance, resistance and electrochemistry. |
| Under Graduate | B.Sc(Non- Medical + Medical) | CCP-309 | Chemistry Lab-III | 2015-16 |  | To enhance the ability of students in deduction of organic compounds by organic analysis , to determine the conductance of acids and bases  by conductometer. |
| Under Graduate | B.Sc(Non- Medical + Medical) | CCL-404 | Inorganic Chemistry-II  (Transition metal & Co-ordination Chemistry) | 2015-16 |  | To develop a better understanding of element in d & f block. |
| Under Graduate | B.Sc(Non- Medical) + Medical | CCL-405 | Physical Chemistry-III  (State of matter & Chemical Kinetics) | 2015-16 |  | To enhance the knowledge of students in Kinetic theory of gases, liquid, solid and  chemical kinetics. |
| Under Graduate | B.Sc(Non- Medical) + Medical | CCP-409 | Chemistry Lab-IV | 2015-16 |  | To enhance the ability of students in deduction of inorganic compound by help of inorganic analysis and determine the rate of reaction by chemical kinetics also be determine the surface tension and viscosty of a given liquid. |
| Under Graduate | B.Sc(Non- Medical) | CH-301 | Inorganic Chemistry | 2015-16 |  | Aims to educate the students about carbohydrate chemistry and NMR spectroscopy which help in developing. |
| Under Graduate | B.Sc(Non- Medical) | CH-302 | Physical Chemistry | 2016-17 |  | To make students understand the study of microscopic particls in Quantum mechanics & study about physicial spectra ( Rotational,  Vibrational, Raman spectra ) |
| Under Graduate | B.Sc(Non- Medical) | CH-303 | Organic Chemistry, | 2016-17 |  | Aims to educate the students about carbohydrate chemistry and NMR  spectroscopy which help in developing. |
| Under Graduate | B.Sc(Non- Medical) | CH-304 | Inorganic Chemistry | 2016-17 |  | To develop a better understanding of inorganic substances in terms of acid, base and their practical uses in Human life |
| Under Graduate | B.Sc(Non- Medical) | CH-305 | Physical Chemistry | 2016-17 |  | To enhance the knowledge of students about solution chemistry and some photochemical reaction helping us in day-to-day life. |
| Under Graduate | B.Sc(Non- Medical) | CH-306 | Organic Chemistry, | 2016-17 |  | To enhance the knowledge students about the synthesis & chemical reactions heterocyclic compounds. And also study about the structure and nomenclature of amino acid,  peptides, proteins & synthetic polymers. |
| Under Graduate | B.Sc(Non- Medical) | CH-307 | Chemistry Lab Practicals | 2016-17 |  | To enhance the knowledge of students about the analysis of acid & base radical in any organic mixture and also, the strength of the acid solution & solubility of soluble electrolyte. |
| Under Graduate | B.Sc(Medical) | BOT-101L | Biodiversity of Microbes algae and Fungi | 2014-15 |  | To provide basic knowledge of plant life forms from their origin to advanced life forms. And the development of different kind of cells and their significance and function perform by the different kind of cells at different position in the plant parts. |
| Under Graduate | B.Sc(Medical) | BOT-102L | Biodiversity of archegoniates | 2014-15 |  | Morphological and Anatomical studies of Lower Cryptogams and Archegoniates. |
| Under Graduate | B.Sc(Medical) | BOT-103P | Botany Lab-I | 2014-15 |  |  |
| Under Graduate | B.Sc(Medical) | BOT-201L | Plant Ecology | 2014-15 |  | The course covers plant ecology on advanced level. The course deals with plant s life history and functional traits, demography, and interactions between plants, between plants and animals and between plants and the  remaining ecosystem. |
| Under Graduate | B.Sc(Medical) | BOT-202L | Plant Taxonomy | 2014-15 |  | The Course covers Classification of plants viz. Division, Sub-Division, Order, Family, Genus and species by studied their morphological (Phyllotaxy, Inflorescence, Aestivation) and anatomical characters (Placentation etc.). |
| Under Graduate | B.Sc(Medical) | BOT-203P | Botany Lab-II | 2014-15 |  | Experimental and analytical studies of the soil, water and ecological factors and study of flower of different plants and other plant parts. |
| Under Graduate | B.Sc(Medical) | BOT-301L | Plant Anatony | 2015-16 |  | the course covers the plants which are more advanced than the archegoniate and other  advanced features |
| Under Graduate | B.Sc(Medical) | BOT-302L | Plant Embryology | 2015-16 |  | the course covers the shape, size and structure and composition of different kind of the cells and functions perform by them. |
| Under Graduate | B.Sc. (Medical) | BOT-304L | **Ethnobotany** | 2020-21 |  | Ethnobotany is at once a vital key to preserving the diversity of plants as well as to understanding and interpreting the knowledge by which we are, and will be, enabled to deal with them effectively and sustainably throughout the world. |
| Under Graduate | B.Sc(Medical) | BOT-305L | Bio-Fertilizers | 2020-21 |  | Preparation biofertlizers using microorganisms like Rhizobium, Azotobacter, Anabaena and pteridophyte like Azolla.  • Role of mycorrhiza in growth of crop plants.  • Green manuring, compost preparation and their field application.  • Recycling of biodegradable wastes. |
| Under Graduate | B.Sc. (Medical) | BOT-306L | Mushroom Culture Technology | 2020-21 |  | Students can start small scale industry of Mushroom cultivation. Students study the morphology and types of Mushrooms. They are aware of the identification of edible and poisonous Mushrooms. Students will be able produce spawn on their own. |
| Under Graduate | B.Sc. (Medical) | BOT-307L | Plant Diversity and Human Welfare | 2020-21 |  | * Create awareness about the plants& their Biodiversity. * Understand solid and liquid waste management techniques. * Explain about Environmental Impact Assessment (EIA), Geographical Information using additional OE resources available in the internet using modern ICT tools. * System GIS, green account with emphasis on carbon footprint, resource accounting. * Realize ecological importance of plants and discuss the role of plants in relation to Human Welfare. |
| Under Graduate | B.Sc(Medical) | BOT-303P | Botany Lab-III | 2015-16 |  | To understand vital processes of plants in a  better way. |
| Under Graduate | B.Sc(Medical) | BOT-401L | Plant Physiology | 2015-16 |  | Experimental and analytical studies of the plants and other plant parts. |
| Under Graduate | B.Sc(Medical) | BOT-402L | Plant Metabolism | 2015-16 |  | Efficient understanding of all physiological processes in plants and their ecological relationship with biotic and abiotic component. |
| Under Graduate | B.Sc(Medical) | BOT-403P | Botany Lab-IV | 2015-16 |  | The course covers plant ecology on advanced level. The course deals with plant s life history and functional traits, demography, and interactions between plants, between plants and animals and between plants and the  remaining ecosystem. |
| Under Graduate | B.Sc(Medical) | BOT- 501L | Cell Biology | 2020-21 |  | After successful completion of this course, students will be able to understand:   * The cell structures in relation to function of cells the fundamental unit of life, are concerned in this course along with molecules present in cells. * Apply the principles of cell biology in designing experiment, statistical analysis, and interpretation of results. * Operate and solve exercise using computation statistics software. * Get acquitted with basic approach in the research methodology. |
| Under Graduate | B.Sc(Medical) | BOT-502L | Molecular Biology | 2020-21 |  | After successful completion of this course, students will be able to:   * Acquaint with concepts in prokaryotic, eukaryotic, and viral genetics. * Explain central dogma of molecular biology (replication, transcription, and translation). * Enlist and explain types of mutation, gene regulation and transposable element. * Conversant with Laboratory Techniques viz. Microscopy, SEM & TEM, Ultracentrifugation, fractionation, Electrophoresis, PCR, GISH, FISH and Immunochemical techniques. The flow cytometry and confocal microscopy in karyotype analysis. * Isolation of plant DNA and its quantification. * Isolation of RNA and its quantitation. * Estimation of seed proteins. |
| Under Graduate | B.Sc(Medical) | BOT-503P | Practical | 2020-21 |  | Students will gain the experimental knowledge of Prokaryotic cell as well as Eukaryotic cell. How the particular organelle performs their functions and how a cell divides either it is mitotic division or meiotic division? And understand the chemical and molecular processes in the cell. |
| Under Graduate | B.Sc(Medical) | BOT-602L | Biotechnology | 2020-21 |  | After successful completion of this course, students will be able to:   * Know about Equipment’s required in Tissue culture Lab. * Media preparation techniques for different plants. * Sterilization techniques for media as well as for explants. * Explant Culture: - Anther Culture Pollen culture, Micro propagation. Embryo rescue technique. Somaclonal variation. In vitro mutation. Isolation of plant protoplasts and viability testing. * Protoplast fusion techniques. * Tissue culture of important Horticultural, medicinal plants |
| Under Graduate | B.Sc(Medical) | BOT- 601L | Economy Botany | 2020-21 |  | Economic botanists study human-plant interactions from a variety of different angles. These skilled researchers rely on a variety of disciplines including archeology, sociology, and ecology in addition to basic botany to help them explain these interactions and their effects on plants, society and our dynamic planet. |
| Under Graduate | B.Sc(Medical) | BOT-603P | Botany Lab Practicals | 2020-21 |  | * Identify the economic products related to theory syllabus and write Botanical name, family and uses. * Prepare Nutrient Media, slants and petri plates for plant tissue culture. * Demonstrate anther culture, protoplast isolation and culture, embryo culture. * Estimation of DNA and RNA. * Study of Blotting techniques- Southern, Northern and Western, DNA fingerprinting, DNA sequencing and PCR. |
| Under Graduate | B.Sc(Computer Science) | CCsl-104 | Computer Fundamentals | 2015-16 |  | This course gives the fundamental concept about windows, MS –office, internet, email etc. this course makes students vary familiar to the computers and its component. this course is also useful for trouble shootings of in computer which are commonly faced by the students. |
| Under Graduate | B.Sc(Computer Science) | CCsl-105 | Programming in C | 2015-16 |  | The syllabus of programming in c enables the students to do the programming in c language. The algorithmic and programming concepts were cleared through this course. the course introduces the best under stability about pointers, variables, structures, array in c. this course also enables the students to complete various exams in which c language and its related questions are asked. |
| Under Graduate | B.Sc(Computer Science) | CCsP-109 | Computer Lab-I | 2015-16 |  |
| Under Graduate | B.Sc(Computer Science) | CCsl-204 | Data Sctructure using C | 2015-16 |  | The basic operations and types of data Structure algorithmic complexity are Discussed. This course is helpful for Understanding and implementation of Various  data structure in computer. |
| Under Graduate | B.Sc(Computer Science) | CCsl-205 | Computer Organisation | 2015-16 |  | This course makes familiar the students with, computer, its components and Instruction format and instruction flow with control. The various components formational  ties with processor, I /o devices and storages units are discussed. |
| Under Graduate | B.Sc(Computer Science) | CCsp-209 | Computer Lab-II | 2015-16 |  |
| Under Graduate | B.Sc(Computer Science) | CCsl-304 | Data Basic Mangement System | 2016-17 |  | This subject gives fundamental knowledge About design, maintainers and up ration of DBMS. This course major unable the students to complete professional competition  examination in data base field. |
| Under Graduate | B.Sc(Computer Science) | CCsl-305 | Operating System | 2016-17 |  | The concept related to operation system are explained in easy way. Various type of operating system and their working are discussed. The need of operating system and its working is also discussed. |
| Under Graduate | B.Sc(Computer Science) | CCsP-309 | Lab Practicals | 2016-17 |  |
| Under Graduate | B.Sc(Computer Science) | CCsl-404 | Software Engineering | 2016-17 |  | This subject software engineering gives the understanding stability of software and software industry. The knowledge about software engineering planning requirement,feasibility testing and implementation is given to implementation the last estimation of a software decompliment with various development phases makes a student software professional |
| Under Graduate | B.Sc(Computer Science) | CCsl-405 | Computer Network | 2016-17 |  | This subject provides basic knowledge computer networks various concept about computer networks with illustration are introduced to the students. Implementation of  various network devices are shown |
| Under Graduate | B.Sc(Computer Science) | CCsP-409 | Computer Lab-IV | 2016-17 |  | This subject gives knowledge about HTML. It helps to design a website this course also helps students to grow as professional web design. |
| Under Graduate | B.Sc(Computer Science) | CCsl-503 | C++ | 2020-21 |  | It tells about C++ language. |
| Under  Graduate | B.Sc(Computer  Science) | CCsl-504 | D.A | 2020-21 |  | This subject provides knowledge about design use and implementation of rotational data base system. |
| Under Graduate | B.Sc(Computer Science) | CCsl-505 | C.C | 2020-21 |  | This subject provides knowledge about design use and implementation of rotational data base system. |
| Under Graduate | B.Sc(Computer Science) | CCsP-509 | Practical | 2020-21 |  |
| Under Graduate | B.Sc (Medical.+Non-Medical & C.S.) | CXL-111 | English-I (Language Skills-I) | 2013-14 |  | The students will achieve an increased fluency in reading and writing skills and are apprised about common errors they commit in their daily usage of words and sentences in the subject of English. Students also learn about sentence formation, grammatical rules and  awareness of translations. |
| Under Graduate | B.Sc (Medical.+Non-Medical & C.S.) | CYL-111 | Environmental Studies | 2013-14 |  | This subject provides knowledge regarding various social and environmental issues like optimal use of renewable and non renewable resources, rain water harvesting, water conservation, sustainable development and also learn about legislative methods for dealing  environmental issues. |
| Under Graduate | B.Sc | CXL-201 | English-II (Language Skills-II) | 2014-15 |  | The course helps the students in developing rational thinking regarding social issues and also develop their creative writing skills. It also incorporates personal experiences which will help students in becoming a responsible person. |
| Under Graduate | B.Sc | CXL-301 | Hindi-I (Language Skills-III) | 2013-14 |  | This subject helps the students to acquire the skills of language and communication in order to be successful in their studies and subsequent professional life, the curriculum has been designed to improve the knowledge the language comprehension and its application to develop the communication skill. |
| Under Graduate | B.Sc | CXL-401 | Hindi-II(Language skills-IV) | 2014-15 |  |
| Under Graduate | B.Sc | CML-106 | Algebra | 2014-15 |  | Topics for exam matrices, polynomial, equations, solution of cubic and biquadratic equation are covered under this course. These are some basic concepts of mathematics which have application in different Branches of  science. |
| Under Graduate | B.Sc | CML-107 | Calculus | 2014-15 |  | Reduction formulae, integration,  differentiation, quadrature, rectification, limit continuity are covered under calculus. These topics have a wide application in Mathematics  as well as other branches of science. |
| Under Graduate | B.Sc | CMP-110 | Math Lab-I | 2014-15 |  | It is practical subject in which practical knowledge of programming in C is given. and  it is well known to us that programming in ‘C’  has wide application. |
| Under Graduate | B.Sc | CML-207 | Ordinary Differential Equation & Laplace Transform | 2014-15 |  | Differential equations have a remarkable ability to predict the world around us. They are used in a wide variety of disciplines from biology, Physics, economics, physics, chemistry and engineering. They can describe exponential growth and decay, the population growth of species or the change in investment  return over time. |
| Under Graduate | B.Sc | CML-206 | Vector Calculus and Geometry | 2014-15 |  | vectors and geometry has a wide use in  Physics, chemistry, engineering etc. |
| Under Graduate | B.Sc | CMP-210 | Math lab-II | 2014-15 |  | It is a practical subject in which mathematical method particularly numerical analysis are solved by using C language. |
| Under Graduate | B.Sc | CML-306 | Advance Calculus | 2014-15 |  | Limit, continuity, differentiability of one variable, limit, continuity, differentiability of two variables etc. Topic are covered under advance calculus. This will help students to understand higher. Approach to functions and  solution of function. |
| Under Graduate | B.Sc | CML-(406) | Partial differential equation | 2014-15 |  | Newton is forward and newton’s backward interpolation formulae gauss forward and  gauss backward, Picard method, Taylor’s method R-k method is studied under numerical analysis. These different methods have different application in problem solving such as solution of differential equation, finding value of function at some point etc. |
| Under Graduate | B.Sc | CML-410 | Maths lab-III |  |  |
| Under Graduate | B.Sc | CML-507 (i) | Sequence and series | 2014-15 |  | Special function and partial differential  equation partial differential equations are used to formulate the solutions of problems involving functions of several variables such as propagation of heat or sound have, fluid  flow etc. |
| Under Graduate | B.Sc | BM-242 | Special Function and Transforms | 2014-15 |  | Statics and dynamics are studied as branch of Mechanics. Force, equilibrium, motion, rest, velocity, projectile, motion in dimension etc. are covered under these branches i.e. statics and dynamics. These help students to understand about motion and Equilibrium of bodies. |
| Under Graduate | B.Sc | CML-307 | Numerical Analysis | 2015-16 |  | It is useful to find out the approximate solutions of a problem instead of exact solutions whenever we are unable to find out  them exactly. |
| Under Graduate | B.Sc | CML-607 (i) | Real & Complex Analysis | 2015-16 |  | It is useful to analyze the functioning of many phenomena like fluid flow, potential of a field in complex plane which is equivalent to R2 |
| Under Graduate | B.Sc | CML-605 (i) | Linear Algebra | 2015-16 |  | Study of linear algebra discusses about the linear operators, linear transformations and linear combination etc. of vectors in the linear space. It is useful to analyze some natural phenomena like reflection, rotation and  projection of basic objects in the linear space. |
| Under Graduate | B.Sc | CML-606(i)  CML-608(i) | Mechanics-II  Solid Geomentry | 2015-16 |  | It analyze he movement of object/bodies under the influence of different forces. |