**BHARATIYA VIDYA BHAVAN , KOCHI**
**YEAR PLAN 2026-2027**
**STD XII ENGLISH**

| MONTH | MAIN TEXT (FLAMINGO) | SUPPLEMENTARY READER (VISTAS) | WRITING |
|---|---|---|---|
| MARCH / APRIL (25 DAYS) | THE LAST LESSON<br>LOST SPRING<br>MY MOTHER AT SIXTY-SIX (P) | THE THIRD LEVEL<br>THE TIGER KING | NOTICE |
| **UNIT TEST 1 (JUNE 8 - 16)** | | | |
| JUNE (23 DAYS) | DEEP WATER<br>KEEPING QUIET (P) | JOURNEY TO THE END OF THE EARTH<br>THE ENEMY (not to be included for UT -2) | LETTER TO THE EDITOR |
| JULY (25 DAYS) | A THING OF BEAUTY (P)<br>A ROADSIDE STAND (P) (not to be included for UT -2)<br>INDIGO (not to be included for UT-2) | ON THE FACE OF IT (not to be included for UT-2) | INVITATION (FORMAL AND INFORMAL) |
| **UNIT TEST 2 (JULY 27 - AUG 3)** | | | |
| AUGUST (16 DAYS) | THE RATTRAP<br>AUNT JENNIFER'S TIGERS (P)<br>GOING PLACES (not to be included for Pre Model Examination) | | REPORT WRITING (NEWSPAPER & MAGAZINE)<br><br>ARTICLE |
| SEPTEMBER (22 DAYS) | THE INTERVIEW (not to be included for Pre Model Examination) | MEMORIES OF CHILDHOOD (not to be included for Pre Model Examination) | |
| **PRE MODEL EXAMINATION (SEPT 28 - OCT 9)** | | | |
| OCTOBER (22 DAYS) | POETS AND PANCAKES (not to be included for Pre Model Examination) | | JOB APPLICATION |
| **FIRST MODEL EXAMINATION (NOV 23 - DEC 14)** | | | |
| **SECOND MODEL EXAMINATION (JAN 4 - JAN 22)** | | | |

**BHARATIYA VIDYA BHAVAN, KOCHI**

**YEAR PLAN FOR THE ACADEMIC YEAR 2026-2027**

**CLASS XII -CHEMISTRY (043)**

| MONTH | TOPIC | SUB TOPIC | CONCEPTS |
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| MARCH /APRIL | 1. SOLUTIONS<br><br>6.HALOALKANES AND HALOARENES | SOLUTIONS - Types of solutions, expression of concentration of solutions of solids in liquids, solubility of gases in liquids, solid solutions, colligative properties - relative lowering of vapour pressure, Raoult's law, elevation of boiling point, depression of freezing point, osmotic pressure, determination of molecular masses using colligative properties, abnormal molecular mass, Van't Hoff factor .<br>Haloalkanes and halo arenes - Nomenclature, nature of C–X bond, physical properties. | SOLUTIONS- Concentration terms and units , Henry's and Raoult's law, Ideal and non- ideal solution , colligative properties , osmosis and reverse osmosis , abnormal molar mass and van't Hoff's factor.<br>Haloalkanes and halo arenes - IUPAC nomenclature, preparation, properties , reaction mechanisms of haloalkanes and haloarenes |
| | | Haloalkanes and halo arenes :Chemical properties, mechanism of substitution reactions, optical rotation. Nature of C–X bond, substitution reactions (Directive | Haloalkanes and halo arenes-Application of haloalkanes and haloarenes |

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| JUNE | 6. HALO ALKANES AND HALOARENES | influence of halogen in mono substituted compounds only).<br>Uses and environmental effects of dichloromethane, trichloromethane, tetrachloromethane, iodoform, freons, DDT. | |
| JUNE | 2.ELECTROCHEMISTRY | Redox reactions, conductance in electrolytic solutions, specific and molar conductivity, variations of conductivity with concentration, Kohlrausch's Law, electrolysis and law of electrolysis (elementary idea), dry cell-electrolytic cells and Galvanic cells, lead storage cell, EMF of a cell, standard electrode potential, Nernst equation and its application to chemical cells, Relation between Gibbs energy change and EMF of a cell, fuel cells, corrosion. | Electrochemical cell, Nernst equation, Electrolytic conductivity and molar conductivity, Kohlrausch's law, electrolysis, fuel cells and batteries, corrosion |
| **FIRST UNIT - TEST ( 8-6-2026 to 16-6-2026)**<br>**PORTIONS**<br>**1.SOLUTIONS (18) - Numericals 7 marks.**<br>**6.HALOALKANES AND HALOARENES- Including physical properties (7)** | | | |
| | | Alcohols , Phenols and ethers :<br>Alcohols: Nomenclature, methods of preparation, physical and chemical properties (of primary alcohols only), identification of primary, secondary and tertiary alcohols, mechanism of | Alcohols, Phenols and Ethers- IUPAC nomenclature, preparation, properties , reaction mechanisms of Alcohols, phenols and Ethers. |

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| JULY | 7.ALCOHOLS, PHENOLS AND ETHERS | dehydration, uses with special reference to methanol and ethanol.<br>Phenols: Nomenclature, methods of preparation, physical and chemical properties, acidic nature of phenol, electrophilic substitution reactions, uses of phenols.<br>Ethers: Nomenclature, methods of preparation, physical and chemical properties, uses | |
| | 8.ALDEHYDES, KETONES AND CARBOXYLIC ACIDS | Nomenclature, nature of carbonyl group, methods of preparation, physical and chemical properties, | IUPAC nomenclature of aldehydes , ketones and carboxylic acids , structure of carboxyl groups, preparation of aldehydes and ketones, physical and chemical characteristics of aldehydes and ketones , |
| AUGUST | 8.ALDEHYDES, KETONES AND CARBOXYLIC ACIDS (Contd) | Mechanism of nucleophilic addition, reactivity of alpha hydrogen in aldehydes: uses.<br>Carboxylic acid-Nomenclature, acidic nature, methods of preparation, physical and chemical properties; uses. | preparation of carboxylic acids , physical and chemical characteristics of carboxylic acids. Application of aldehydes , ketones and acids. |

**SECOND UNIT – TEST ( 27-7-2026 to 3-8-2026 )**

**PORTIONS**

**6.HALO ALKANES & HALOARENES - from chemical properties.(8 )**

**2. ELECTROCHEMISTRY (10 ) Numericals 5 marks**

**7. ALCOHOLS , PHENOLS AND ETHERS( Excluding Ethers 7.6 ) (7)**

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| SEPTEMBER | 3.CHEMICAL KINETICS | Chemical Kinetics :Rate of a reaction (Average and instantaneous), factors affecting rate of reaction: concentration, temperature, catalyst; order and molecularity of a reaction, rate law and specific rate constant, integrated rate equations and half-life (only for zero and first order reactions), concept of collision theory (elementary idea, no mathematical treatment). Activation energy, Arrhenius equation. | Chemical kinetics - types of chemical reactions , average rate of reaction, rate equation , order of reaction, rate constant, rate of reaction, rate equation for different orders of reaction, rate constant and order of reaction, collision theory. |
| | 10.BIOMOLECULES | Carbohydrates - Classification (aldoses and ketoses), monosaccharides (glucose and fructose), D-L configuration oligosaccharides (sucrose, lactose, maltose), polysaccharides (starch, cellulose, glycogen); Importance of carbohydrates.Proteins – Elementary idea of – amino acids , peptide bond , polypeptides , proteins , structure of proteins- primary, secondary , tertiary, quarternary structures ( qualitative idea only), denaturation of proteins, enzymes . Hormones- Elementary idea excluding structure.Vitamins- Classification and functions.Nucleic acids – DNA and RNA | Biomolecules - Carbohydrates- classification, fructose and glucose, sources of protein , types of protein , denaturation of protein , enzymes , vitamins , structure and chemical composition of nucleic acids, role of biomolecules. |
| **PRE MODEL EXAMINATION (28-9-2026 to 09 -10-2026)**<br>**PORTION**<br>**1. SOLUTIONS (8)** | | | |

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| | **6.HALOALKANES AND HALOARENES(7)**<br>**7. ALCOHOLS , PHENOLS AND ETHERS (10)**<br>**8.ALDEHYDES , KETONES AND CARBOXYLIC ACIDS (13)**<br>**10. BIOMOLECULES (8)**<br>**2. ELECTROCHEMISTRY (12)**<br>**3. CHEMICAL KINETICS (12) (Numericals -12)** | | |
| OCTOBER | 4.THE d-AND f-BLOCK ELEMENTS | General introduction, electronic configuration, occurrence and characteristics of transition metals, general trends in properties of the first row transition metals - metallic character, ionization enthalpy, oxidation states, ionic radii, colour, catalytic property, magnetic properties, interstitial compounds, alloy formation, preparation and properties of $K_2Cr_2O_7$ and $KMnO_4$. | d and f Block Elements:Position of transition elements, electronic configuration, physical and chemical characteristics of transition elements, variable oxidation number , electrode potential, oxidation states, magnetic properties , complex compounds, preparation of metal oxides, properties of f-block elements. |
| | 5.COORDINATION COMPOUNDS | Co-ordination compounds :Co-ordination compounds - Introduction, ligands, coordination number, colour, magnetic properties and shapes, IUPAC nomenclature of mononuclear coordination compounds. Bonding, Werner's theory, VBT,magnetic properties of complexes, Co-ordination compounds: Crystal field theory, synergic bonds, applications of complex compounds. | Co-ordination compounds : Werner's theory, co-ordination entity , co-ordination number, polyhedron , oxidation number of central atom , homolectic and heteroleptic complexes, IUPAC nomenclature, isomerism, valence bond theory , magnetic properties of complexes, Co-ordination compounds: Crystal field theory, synergic bonds, applications of complex compounds. |

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| NOVEMBER | 9. AMINES | Nomenclature, classification, structure, methods of preparation, physical and chemical properties, uses, identification of primary, secondary and tertiary amines.<br><br>Diazonium salts: Preparation, chemical reactions and importance in synthetic organic chemistry | Amines: Structure of amines, classification, IUPAC nomenclature, preparation, physical and chemical properties, diazotisation, preparation of diazonium salts, importance of diazonium salts |
| **FIRST MODEL EXAMINATION (23-11-2026 to 14-12-2026 )** | | | |

| BHARATIYA VIDYA BHAVAN, KOCHI KENDRA | | | |
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| **STD XII – BOTANY – YEAR PLAN(2026-2027)** | | | |
| **MONTH** | **TOPIC** | **SUB TOPICS** | **CONCEPTS** |
| MARCH/ APRIL | 1. Sexual Reproduction in Flowering Plants<br>4.Principles of Inheritance and Variation | 1.1 Flower – A Fascinating Organ of Angiosperms<br>1.2 Pre-fertilisation : Structures and Events<br>1.3 Double Fertilisation<br>1.4 Post-fertilisation: Structures and Events<br><br>1.5 Apomixis and Polyembryony | Stamen,<br>Microsporangium, and<br>Pollen Grain<br>The Pistil,<br>Megasporangium, and<br>Embryo Sac<br>Pollination<br>Double Fertilization<br>Post-Fertilization:<br>Structures and Events<br>Apomixis and polyembryony |
| JUNE/JULY | 4.Principles of Inheritance and variation contd.... | 4.1 Mendel's Laws of Inheritance<br>4.2 Inheritance of One Gene<br>4.3 Inheritance of Two Genes4.4 Polygenic Inheritance 4.5 Pleiotropy<br>4.6 Sex Determination<br>4.7 Mutation<br>4.8 Genetic Disorders" | Hybridization experiments-Monohybrid cross and Dihybrid cross<br>Law of segregation,Law of Dominance, Independent assortment<br>Deviations from Mendelian pattern of inheritance<br>Chromosomal theory of inheritance<br>Sex determination mechanisms,Pedigree Analaysis,<br>Mendelian disorders<br>Chromosomal disorders |
| **FIRST UNIT TEST [JUNE 8th TO 16 th]**<br>**CHAPTER 1: SEXUAL REPRODUCTION IN FLOWERING PLANTS.** | | | |

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| JULY/AUGUST | 5.Molecular basis of inheritance | 5.1 The DNA<br>5.2 The Search for Genetic Material<br>5.3 RNA World<br>5.4 Replication<br>5.5 Transcription<br>5.6 Genetic Code | Structure of Polynucleotide Chain<br>Packaging of DNA Helix<br>Transforming Principle,Biochemical Characterisation of Transforming Principle<br>The Genetic Material is DNA<br>Properties of Genetic Material (DNA versus RNA)<br>The Experimental Proof for Replication<br>The Machinery and the Enzymes<br>Transcription Unit<br>Mutations and Genetic Code<br>tRNA– the Adapter Molecule<br>The Lac operon<br>Goals of HGP,Methodologies,Salient Features of Human Genome and Rice Genome Project<br>Applications and Future Challenges<br>Repetitive DNA,Satellite DNA, Polymorphism,Variable Number of Tandem Repeats |

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| AUGUST/SEPTEMBER | 5.Molecular basis of inheritance contd.....<br>9-Biotechnology Principles and Processes | 5.7 Translation<br>5.8 Regulation of Gene Expression<br>5.9 Human Genome Project,Rice Genome Proect<br>5.10 DNA Fingerprinting<br><br>9.1 Principles of Biotechnology<br>9.2 Tools of Recombinant DNA Technology<br>9.3 Processes of Recombinant DNA Technology | Mutations and Genetic Code<br>tRNA– the Adapter Molecule<br>The Lac operon<br>Goals of HGP,Methodologies,Salient Features of Human Genome and Rice Genome Project<br>Applications and Future Challenges<br>Repetitive DNA,Satellite DNA, Polymorphism,Variable Number of Tandem Repeats<br><br>Genetic engineering,Bioprocess engineering, recombinant DNA ,gene cloning and gene transfer, restriction endonuclease<br>Gel electrophoresis<br>Cloning Vectors<br>Competent Host (For Transformation with Recombinant DNA)<br>Processes of Recombinant DNA Technology |
| **SECOND UNIT TEST [JULY 27th TO AUGUST 3rd ]**<br>**CHAPTER 4**<br>**4. Principles of Inheritance and Variation(Full Chapter)** | | | |

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| SEPTEMBER | 9-Biotechnology Principles and Processes contd.....<br>10-Biotechnology and its Applications | 9.3 Processes of Recombinant DNA Technology Contd.....<br><br>10.1 Biotechnological Applications in Agriculture | Processes of Recombinant DNA Technology contd....<br><br>Green Revolution,tissue culture,somatic hybridisationPest Resistant Plants<br>Genetically Engineered Insulin<br>Gene Therapy<br>Transgenic Animals<br>Ethical Issues Regarding Transgenic Animals<br>Molecular Diagnosis |
| OCTOBER/NOVEMBER | 10.Biotechnology and its Applications contd... | 10.2 Biotechnological Applications in Medicine<br>10.3 Transgenic Animals<br>10.4 Ethical Issues | Genetically Engineered Insulin<br>Gene Therapy<br>Transgenic Animals<br>Ethical Issues Regarding Transgenic Animals<br>Molecular Diagnosis |
| OCTOBER/NOVEMBER | 12. Ecosystem | 12.1 Ecosystem - structure and function<br>12.2 Productivity<br>12.3 Decomposition<br>12.4 Energy flow<br>12.5 Ecological pyramids | Stratification<br>NPP, GPP, Primary production and secondary production<br>PAR, GFC, DFC and standing crop<br>Types of ecological pyramids |

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| **TERM END EVALUATION [SEPTEMBER 28th TO OCTOBER 9th]**<br>**CHAPTERS 1,4, 5 and 9**<br>**1. Sexual Reproduction in Flowering Plants.**<br>**4.Principles of Inheritance and Variation**<br>**5.Molecular Basis of Inheritance**<br>**9.Biotechnology : Principles and processes.** |
| **FIRST MODEL EXAMINATION [NOVEMBER 23rd TO DECEMBER 14th]**<br>**CHAPTERS 1,4,5,9 ,10 and 12** |
| **SECOND MODEL EXAMINATION [ JANUARY 4th TO 22 nd]**<br>**CHAPTERS 1,4,5,9, 10 and 12** |

| BHARATIYA VIDYA BHAVAN, KOCHI KENDRA | | | |
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| STD XII – ZOOLOGY – YEAR PLAN | | | |
| 2026-2027 | | | |
| **MONTH** | **TOPIC** | **SUB TOPICS** | **CONCEPTS** |
| MARCH | CHAPTER 2 HUMAN REPRODUCTION | 2.1 Male reproductive system<br>2.2 Female reproductive system<br>2.3 Gametogenesis<br>2.4 Menstrual cycle<br>2.5 Fertilization and implantation<br>2.6 Pregnancy and embryonic development<br>2.7 Parturition and lactation | Structure and functions of male reproductive organs<br>Structure and functions of female reproductive organs<br>Spermatogenesis and oogenesis, Hormonal control, structure of sperm , structure of ovary Various events during menstrual cycle, hormonal control, menstrual hygiene Structure of ovum , sex determination, cleavage Formation of placenta , placental hormones , milestones of embryonic development Foetal ejection reflex , significance of colostrum |
| APRIL | CHAPTER 3 REPRODUCTIVE HEALTH | 3.1 Reproductive health - problems and strategies<br>3.2 Population explosion and birth control<br>3.3 Medical termination of pregnancy<br>3.4 Sexually transmitted diseases<br>3.5 Infertility | Need for reproductive health IMR, MMR, contraceptive methods Why MTP is legalised? Types of STDs, symptoms and preventive measures ART - IVF, ZIFT, GIFT |
| | CHAPTER 11 ORGANISMS AND POPULATIONS | 11.1 Populations | Population attributes, growth, growth models, life history variation, population interactions |

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| JUNE | CHAPTER 6<br>EVOLUTION | 6.1 Origin of life<br>6.2 Evolution of life forms - a theory<br>6.3 What are the evidences of evolution ?<br>6.4 What is adaptive radiation ? | Big bang theory, formation of universe<br>Different theories on origin of life<br>Paleontology, comparative anatomy, embryology, molecular evidences Darwin's finches , placental mammals and marsupials of australia |
| **FIRST UNIT TEST (JUNE 8-16 ) CHAPTER 2. HUMAN REPRODUCTION** | | | |
| JULY | CHAPTER 6<br>EVOLUTION<br>CONTINUES.. | 6.5 Biological evolution<br>6.6 Mechanism of evolution<br>6.7 Hardy-weinberg<br>6.8 A brief account of evolution principle<br>6.9 Origin and evolution of man | Branching descent and natural selection<br>Hugo de Vries theory and Darwin's theory on evolution Hardy Weinberg equilibrium, founder effect, opertional techniques of natural selection Evolution of plants and animals through geological periods<br>Different evolutionary stages of man |
| **SECOND UNIT TEST (JULY 27 - AUGUST 3) CHAPTER 3 REPRODUCTIVE HEALTH & CHAPTER 11 ORGANISMS AND POPULATIONS** | | | |
| JULY | CHAPTER 7<br>HUMAN HEALTH AND DISEASE | 7.1 Common Diseases in Humans<br>7.2 Immunity<br>7.3 AIDS<br>7.4 Cancer | Source, symptoms, target site and mode of transmission of common diseases in humans<br>Innate and acquired, active and passive, vaccination, allergies, auto immunity and immune system<br>Replication of retro virus, its transmission and prevention<br>Types, causes, detection, diagonosis and treatment |

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| AUGUST | CHAPTER 7 HUMAN HEALTH AND DISEASE CONTINUES..... | 7.5 Drugs and Alcohol Abuse | Classification of drugs, their source, target site and effect on our body<br>Adolescence and drug abuse, addiction and dependence, effects of drug, alcohol abuse, prevention and control |
| | CHAPTER 8 MICROBES IN HUMAN WELFARE | 8.1 Microbes in Household Products<br>8.2 Microbes in Industrial Products<br>8.3 Microbes in Sewage Treatment<br>8.4 Microbes in Production of Biogas | Microbes in food processing<br>Fermented beverages, antibiotics, bioactive molecules<br>Primary and secondary treatment of sewage<br>Study of biogas plant and biogas production |
| SEPTEMBER | CHAPTER 8 MICROBES IN HUMAN WELFARE CONTINUES.... | 8.5 Microbes as Biocontrol Agents<br>8.6 Microbes as Biofertilisers | Biological control of pests and diseases<br>Organic farming , role of mycorrhizae and cyano bacteria |
| | CHAPTER 13 BIODIVERSITY AND ITS CONSERVATION | 13.1 Biodiversity | Types of biodiversity, representation of global biodiversity, patterns of biodiversity, loss of biodiversity, |

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| OCTOBER | CHAPTER 13 BIODIVERSITY AND ITS CONSERVATION | 13.2 Biodiversity Conservation | Why and How should we conserve biodiversity? In situ and Ex-situ |
| **PREMODEL EXAMINATION (SEPTEMBER 28 -OCTOBER 9) CH 2, 3, 6 , 7, 8 AND 11** | | | |
| NOVEMBER | **REVISION** | | |
| **FIRST MODEL EXAMINATION (NOVEMBER 23 - DECEMBER 14) FULL PORTIONS** | | | |
| **SECOND MODEL EXAMINATION ( JANUARY 4 - 22 ) FULL PORTIONS** | | | |

**BHARATIYA VIDYA BHAVAN, KOCHI**

**YEAR PLAN FOR THE ACADEMIC YEAR 2026- 2027**
**Std. XII - PHYSICS**

| MONTH | TOPIC | SUB-TOPICS | CONCEPTS |
|---|---|---|---|
| MARCH/ APRIL | **Chapter–1: Electric Charges and Fields** | **Electric charges, Electric Field, Electric Flux, Gauss's law** | Electric charges, Conservation of charge, Coulomb's law-force between two- point charges, forces between multiple charges; superposition principle and continuous charge distribution.<br>Electric field, electric field due to a point charge, electric field lines, electric dipole, electric field due to a dipole, torque on a dipole in uniform electric field.<br>Electric flux, statement of Gauss's theorem and its applications to find field due to infinitely long straight wire, uniformly charged infinite plane sheet and uniformly charged thin spherical shell (field inside and outside). |
| | **Chapter–2: Electrostatic Potential and Capacitance** | **Electric potential & potential energy, equipotential surfaces, Conductors and insulators,** | Electric potential, potential difference, electric potential due to a point charge, a dipole and system of charges; equipotential surfaces, electrical potential energy of a system of two-point charges and of electric dipole in an electrostatic field.<br>Conductors and insulators, free charges and bound charges inside a conductor. |

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| JUNE | **Chapter–2:**<br>**Electrostatic Potential and Capacitance**<br><br>**Chapter–3:**<br>**Current Electricity**<br><br>**Chapter–9:**<br>**Ray Optics and Optical Instruments** | **Dielectrics and electric polarization**<br>**Capacitors and capacitance.**<br><br>**Electric current, drift velocity, Ohm's law, temperature dependence of resistance, Internal resistance and emf of a cell, Kirchhoff's rules, Wheatstone bridge.**<br><br>**Reflection of light, spherical mirrors, refraction of light** | Dielectrics and electric polarization, capacitors and capacitance, combination of capacitors in series and in parallel, capacitance of a parallel plate capacitor with and without dielectric medium between the plates, energy stored in a capacitor (no derivation, formulae only).<br><br>Electric current, flow of electric charges in a metallic conductor, drift velocity, mobility and their relation with electric current; Ohm's law, V-I characteristics (linear and non-linear), electrical energy and power, electrical resistivity and conductivity, temperature dependence of resistance, Internal resistance of a cell, potential difference and emf of a cell, combination of cells in series and in parallel, Kirchhoff's rules, Wheatstone bridge.<br><br>Reflection of light, spherical mirrors, mirror formula, refraction of light, total internal reflection and optical fibers, |
| **FIRST UNIT TEST (25 marks)** ***[8 JUNE to 16 JUNE]***<br>**Electric Charges and Fields - 16marks,**<br>**Electrostatic Potential and Capacitance - 9 marks**<br>**(including potential due to a dipole)** | | | |

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| JULY | **Chapter–9:**<br>**Ray Optics and Optical Instruments** | **Refraction at spherical surfaces, lenses, , lens maker's formula, refraction of light through a prism.**<br><br>**Optical instruments** | Refraction at spherical surfaces, lenses, thin lens formula, lens maker's formula, magnification, power of a lens, combination of thin lenses in contact, refraction of light through a prism.<br>Optical instruments: Microscopes and astronomical telescopes (reflecting and refracting) and their magnifying powers. |
| | **Chapter–10:**<br>**Wave Optics** | **Wave front and Huygen's principle, Interference, diffr** | Wave front and Huygen's principle, reflection and refraction of plane wave at a plane surface using wave fronts. Proof of laws of reflection and refraction using Huygen's principle. Interference, Young's double slit experiment and expression for fringe width (No derivation final expression only), coherent sources and sustained interference of light, diffraction due to a single slit, width of central maxima (qualitative treatment only). |
| | **Chapter–4:**<br>**Moving Charges and Magnetism** | **Biot - Savart law and its applications, Ampere's law and its applications, force on a moving charge in uniform magnetic and electric fields.** | Concept of magnetic field, Oersted's experiment,<br>Biot - Savart law and its application to current carrying circular loop.<br>Ampere's law and its applications to infinitely long straight wire. Straight solenoid (only qualitative treatment),force on a moving charge in uniform magnetic and electric fields. |
| | **SECOND UNIT TEST (25 marks)** ***[27 JULY to 3 AUGUST]***<br>**Electrostatic Potential and Capacitance (from System of charges ) - 10 marks,**<br>**Current Electricity -10 marks,**<br>**Ray Optics**<br>**( including Mirror formula ) - 5 marks** | | |
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| AUGUST | **Chapter–4:**<br>**Moving Charges and Magnetism** | **Force on a current-carrying conductor in a uniform magnetic field, force between two parallel current-carrying conductors, torque experienced by a current loop in uniform magnetic field, moving coil galvanometer** | Force on a current-carrying conductor in a uniform magnetic field, force between two parallel current-carrying conductors-definition of ampere, torque experienced by a current loop in uniform magnetic field; Current loop as a magnetic dipole and its magnetic dipole moment, moving coil galvanometer- its current sensitivity and conversion to ammeter and voltmeter. |
| | **Chapter–5:**<br>**Magnetism and Matter** | **Bar magnet, magnetic field intensity due to a magnetic dipole (bar magnet), torque on a magnetic dipole. Magnetic properties of materials, Magnetization of materials, effect of temperature on magnetic properties.** | Bar magnet, bar magnet as an equivalent solenoid (qualitative treatment only), magnetic field intensity due to a magnetic dipole (bar magnet) along its axis and perpendicular to its axis (qualitative treatment only), torque on a magnetic dipole (bar magnet) in a uniform magnetic field (qualitative treatment only), magnetic field lines.<br>Magnetic properties of materials- Para-, dia- and ferro - magnetic substances with examples, Magnetization of materials, effect of temperature on magnetic properties. |
| | **Chapter–6:**<br>**Electromagnetic Induction** | **Electromagnetic induction, Faraday's laws, Lenz's Law** | Electromagnetic induction; Faraday's laws, induced EMF and current; Lenz's Law |
| SEPTEMBER | **Chapter–6:**<br>**Electromagnetic Induction** | **Self and mutual induction.** | **Self and mutual induction.** |
| | **Chapter–7:**<br>**Alternating Current** | **Alternating currents, LCR series circuit (phasors only), AC generator, Transformer.** | **Alternating currents, peak and RMS value of alternating current/voltage; reactance and impedance; LCR series circuit (phasors only), resonance, power in AC circuits, power factor, wattless current. AC generator, Transformer.** |
| | **Chapter–8:**<br>**Electromagnetic Waves** | **Basic idea of displacement current, Electromagnetic waves, Electromagnetic spectrum** | **Basic idea of displacement current, Electromagnetic waves, their characteristics, their transverse nature (qualitative idea only). Electromagnetic spectrum (radio waves, microwaves, infrared, visible, ultraviolet, X-rays, gamma rays) including elementary facts about their uses.** |

**PRE MODEL EXAMINATION (28 th September to 9th October)**

**Electric Charges and Fields & Electrostatic -potential and capacitance - 12MARKS,**
**Current Electricity - 6 MARKS,**
**Moving Charges and Magnetism & Magnetism and Matter - 15 MARKS,**
**EMI & AC - 15 MARKS,**
**Ray Optics-15 MARKS**
**Wave Optics -7 MARKS**

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| **OCTOBER** | **Chapter–11**<br>**Dual Nature of Radiation and Matter** | **Dual nature of radiation, Photoelectric effect, Einstein photoelectric equation, de-Broglie relation.** | Dual nature of radiation, Photoelectric effect, Hertz and Lenard's observations; Einstein's photoelectric equation-particle nature of light. Experimental study of photoelectric effect<br>Matter waves-wave nature of particles, de-Broglie relation. |
| | **Chapter–12: Atoms** | **Alpha-particle scattering experiment; Bohr model of hydrogen atom** | Alpha-particle scattering experiment; Rutherford's model of atom; Bohr model of hydrogen atom, Expression for radius of nth possible orbit, velocity and energy of electron in nth orbit, hydrogen line spectra (qualitative treatment only). |
| | **Chapter–13: Nuclei** | **Composition and size of nucleus, nuclear force, mass defect & binding energy per nucleon , nuclear fission, nuclear fusion** | Composition and size of nucleus, nuclear force,mass-energy relation, mass defect & binding energy per nucleon and its variation with mass number nuclear fission, nuclear fusion. |
| **NOVEMBER** | **Chapter–14: Semiconductor Electronics: Materials, Devices and Simple Circuits** | **Energy bands in conductors, Intrinsic and extrinsic semiconductors- , p-n junction, application of junction diode.** | Energy bands in conductors, semiconductors and insulators (qualitative ideas only) Intrinsic and extrinsic semiconductors- p and n type, p-n junction Semiconductor diode - I-V characteristics in forward and reverse bias, application of junction diode -diode as a rectifier. |

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| NOVEMBER & DECEMBER | | REVISION<br>FIRST MODEL EXAMINATION (ALL CHAPTERS)<br>(23rd November to 14th December)<br>MODEL PRACTICAL EXAMINATION<br>(DEC 14 -21) |
| JANUARY | | SECOND MODEL EXAMINATION (ALL CHAPTERS)<br>(January 4th to 22nd) |

# BHARATIYA VIDYA BHAVAN, KOCHI KENDRA
## COMPUTER SCIENCE
## YEAR PLAN FOR THE ACADEMIC YEAR 2026-27

**CLASS: XII**

| MONTH | TOPIC | SUB-TOPICS | CONCEPTS |
|---|---|---|---|
| **MARCH/ APRIL** | Computational Thinking and Programming-2<br>Database Management | Revision of python topics in class XI (Functions Database concepts<br>Relational data model till delete command) | Basic concepts of Python programming<br>Creating reusable and modular code; promoting good programming practices such as code reusability, readability, and maintainability.<br>Concepts of RDBMS. |
| **UNIT TEST 1(8/6/2026 to 16/06/2026)<br>TOPICS :REVISION STD XI,FUNCTIONS,DATABASE CONCEPTS,RELATIONAL DATA MODEL(till delete command)** | | | |
| **JUNE** | Database Management | Structured Query Language,<br>Interface of Python with an SQL Database,<br>Excepton Handling | The use of RDBMS to store, organize, and retrieve large amounts of data efficiently.<br>Understand and use MySQL commands to store and manage data.<br>Grouping and filtering of records to get cumulative data.<br>Extracting data from multiple tables.<br>Client Server architecture -to transfer and manage data between a front end and back end. |
| **JULY** | Computational Thinking and Programming-2<br>Database Management | Introduction to Files,Text Files, Binary Files, | Files as a medium for permanent storage. Binary file Handling<br>Types of Files and paths.Text File Handling |
| **UNIT TEST 2 (27/07/2026 to 03/08/2026)<br>TOPICS :SQL(AGGREGATE FUNCTIONS,GROUP BY, HAVING, JOINS),CONNECTIVITY,EXCEPTION HANDLING , TEXT FILE ONLY** | | | |

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| **AUGUST** | Computational Thinking and Programming-2 | Introduction to Files- CSV Files | Files as a medium for permanent storage. CSV file Handling |
| **SEPTEMBER** | Computational Thinking and Programming-2, Computer Networks | Data Structure, Evolution of Networking,Data communication terminologies,Transmission Media,Network Devices,Network Types,Network Protocol | Understand the concept of Stack.<br>Various types of transmission media used in different types of networks, including wired ,wireless networks,network types, |
| **PRE MODEL EXAMINATION (28/9/2026 to 9/10/2026)**<br>**1) Revision Std XI**<br>**2) Functions**<br>**3) Database Concepts, Relational Data Model & Mysql**<br>**4) Connectivity, Exception Handling**<br>**5) Files**<br>**6) Data Structure** | | | |
| **OCTOBER** | Computer Networks | Network topologies and Network types, Introduction to web services | Topologies,network protocol and network devices. |
| **FIRST MODEL: 23/11/2026 to 14/12/2026** | | | |
| **SECOND MODEL:04/01/2027 TO 22/01/2027** | | | |

# BHARATIYA VIDYA BHAVAN, KOCHI KENDRA

# YEAR PLAN MATHEMATICS(041)

# CLASS XII 2026-2027

| MONTH | TOPIC | SUB-TOPICS | CONCEPTS |
|---|---|---|---|
| MARCH | 3.MATRICES | Introduction<br>Matrix<br>Types of matrices<br>Operations on matrices<br>Transpose of a matrix<br>symmetric and skew symmetric matrices.<br>Invertible matrices | Concept, notation, order, equality, types of matrices, zero and identity matrix, transpose of a matrix, symmetric and skew symmetric matrices. Operation on matrices: Addition and multiplication and multiplication with a scalar. Simple properties of addition, multiplication and scalar multiplication. Non- commutativity of multiplication of matrices and existence of non-zero matrices whose product is the zero matrix (restricted to square matrices of order 2). Invertible matrices and proof of the uniqueness of inverse, if it exists; (Here all matrices will have real entries). |
| APRIL | 4.DETERMINANTS | Introduction<br>Determinant<br>Area of a Triangle<br>Minors and Cofactors<br>Adjoint and Inverse of a Matrix<br>Applications of Determinants and Matrices | Determinant of a square matrix (up to 3 x 3 matrices),, minors, cofactors and applications of determinants in finding the area of a triangle Adjoint and inverse of a square matrix. Consistency, inconsistency and number of solutions of systems of linear equations by examples, solving systems of linear equations in two or three variables (having unique solution) using inverse of a matrix. |
| JUNE | 1.RELATIONS AND FUNCTIONS **(Not for first Unit Test)** | Introduction<br>Types of Relations<br>Types of Functions | Types of relations: reflexive, symmetric, transitive and equivalence relations. One to one and onto functions. |
| **FIRST UNIT TEST(08/06/26 - 17/06/26) (chapters 3 and 4)** | | | |

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| JUNE | 2 .INVERSE TRIGONOMETRIC FUNCTIONS | Introduction<br>Basic Concepts | Definition, range, domain, principal value branch. Graphs of inverse trigonometric functions |
| JUNE | 5.CONTINUITY & DIFFERENTIABILITY | Introduction<br>Continuity<br>Differentiability<br>Exponential and Logarithmic Functions Logarithmic Differentiation<br>Derivatives of Functions in Parametric Forms Second Order Derivative | Continuity and differentiability, chain rule, derivative of COMPOSITE FUNCTIONS,inverse trigonometric functions like $\sin^{-1} x$ $\cos^{-1} x$ ,$\tan^{-1} x$, derivative of implicit functions. Concept of exponential and logarithmic functions. Derivatives of logarithmic and exponential functions. Logarithmic differentiation, derivative of functions expressed in parametric forms. Second order derivatives. |
| JULY | 6 .APPLICATION OF DERIVATIVES (NOT INCLUDED FOR SECOND UNIT TEST) | Introduction<br>Rate of Change of Quantities<br>Increasing and Decreasing Functions<br>Maxima and Minima | Rate of change of quantities, increasing/decreasing functions, maxima and minima (first derivative test motivated geometrically and second derivative test given as a provable tool). Simple problems (that illustrate basic principles and understanding of the subject as well as real life situations). |
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| **SECOND UNIT TEST(Chapters 1,2,5) (27/07/26 - 03/08/26)** | | | |
| JULY | 7.INTEGRALS | Introduction<br>Integration as an Inverse Process of Differentiation<br>Methods of Integration<br>Integrals of Some Particular Functions<br>Integration by | Integration as an inverse process of differentiation. Integration of a variety of functions by substitution, by partial fractions and by parts, Evaluation of special integrals. Fundamental theorem of calculus (without proof), Basic properties of definite integrals and evaluation of definite integrals. |

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| | | Partial Fractions<br>Integration by<br>Parts<br>Definite Integral | |
| AUGUST | 8. Application of Integrals | Introduction<br>Area under<br>Simple Curves | Applications in finding the area<br>under simple curves, especially lines,<br>circles/ parabolas/ellipses; (in<br>standard form only) |
| AUGUST | 9. Differential Equations | Introduction<br>Basic Concepts<br>General and<br>Particular<br>Solutions of a<br>Differential<br>Equation<br>Methods of<br>Solving First<br>Order, First<br>Degree<br>Differential<br>Equations | Definition, order and degree, general and particular solutions of a differential equation. Solution of differential equations by method of separation of variables, solutions of homogeneous differential equations of first order and first degree .<br>Solutions of linear differential equation of the type<br>dy/dx+ $P\,y = Q$,<br>where P and Q are functions of x or constants .<br>dx/dy + Px = Q where P and Q are functions<br>of y or constants |

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| SEPTEMBER | 10. Vectors | Introduction<br>Some Basic<br>Concepts<br>Types of Vectors<br>Addition of Vectors<br>Multiplication of a<br>Vector by a Scalar<br>Product of Two<br>Vectors | Vectors and scalars, magnitude and direction of a vector ,direction cosines and direction ratios of a vector ,types of vectors,(equal, unit, zero ,parallel and collinear vectors)position vector of a point,negative of a vector, components of a vector ,addition of vectors ,multiplication of vectors by a scalar ,position vector of a point dividing a line segment in a given ratio,definition ,geometrical interpretation ,properties and application of scalar product of vectors ,vector product of vectors |
| PRE MODEL EXAM (7/10/26 to 18/10/26) (Chapters1,2,3,4,5,6,7,8,9,10) | | | |

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| OCTOBER | 11. Three dimensional Geometry | Introduction<br>Direction Cosines and Direction Ratios of a Line<br>Equation of a Line in Space<br>Angle between Two Lines<br>Shortest Distance between Two Lines | Direction cosines and direction ratios of a line joining two points. Cartesian equation and vector equation of a line, skew lines, shortest distance between two lines.<br>Angle between 2 lines |
| OCTOBER | 12.LINEAR PROGRAMMING | Introduction<br>Linear Programming Problem | Introduction, related terminology such as constraints, objective function, optimization, Graphical method of solution for problems in two variables, feasible and infeasible regions (bounded OR unbounded), feasible and infeasible solutions, optimal feasible solutions (up to three non-trivial constraints). |

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| OCTOBER | 13. Probability | Introduction Conditional Probability Multiplication Theorem on Probability Independent Events Bayes' Theorem | Conditional probability, multiplication theorem on probability, independent events, total probability, Bayes' theorem. |
| FIRST MODEL EXAM (23/11/2026 TO 14/12/2026) | | | |

## BHARATIYA VIDYA BHAVAN, KOCHI KENDRA

## YEAR PLAN FOR THE ACADEMIC YEAR 2026-27

| CLASS | XII | | |
|---|---|---|---|
| SUBJECT | ACCOUNTANCY(055) | | |
| **MONTH** | **TOPIC** | **SUB-TOPICS** | **CONCEPTS** |
| MARCH<br>APRIL | ACCOUNTING FOR SHARE CAPITAL | 8.1 Features of a Company<br>8.2 Kinds of Companies<br>8.3 Share Capital of a Company<br>8.4 Nature and Classes of Shares<br>8.5 Issue of Shares<br>8.6 Accounting Treatment<br>8.7 Forfeiture of Shares | Company and Share Capital<br>Features of a Company<br>Kind of Companies.<br>Share Capital of a Company and its Categories. Nature and Classes of Shares.<br>Issue of Shares.<br>Accounting Treatment, Calls in Arrears and Calls in Advance, Over Subscription and Under Subscription, Issue of Shares at a Premium and at a Discount, Issue of Shares for Consideration other than Cash.<br>Forfeiture of Shares.<br>Reissue of Forfeited Shares. |
| **UNIT TEST 1 - 25 MARKS** | | | |

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| JUNE | ISSUE OF DEBENTURES | 9.1 Meaning of Debentures<br>9.2 Distinction between Shares and Debentures<br>9.3 Types of Debentures<br>9.4 Terms of Issue of Debentures<br>9.5 Over Subscription<br>9.6 Issue of Debentures for Consideration other than Cash<br>9.7 Issue of Debentures as a Collateral Security<br>9.8 Issue of Debentures<br>9.9 Interest on Debentures<br>9.10 Writing off Discount/Loss on Issue of Debentures | Meaning of Debentures.<br>Distinction between Shares and Debentures.<br><br>Types of Debentures.<br>Issue of Debentures- Par, Premium & Discount Pro Rata & Rejection.<br>Issue of Debentures other than cash- Par, Premium & Discount. With & Without Journal Entries & effect in Balance Sheet.<br><br>Accounting Treatment for different cases. Journal Entries.<br>Sources to write off & Preparation of ledger accounts. |
| JUNE | FINANCIAL STATEMENT ANALYSIS | 11.1 Meaning of Analysis of Financial Statements<br>11.2 Significance of Analysis of Financial Statements<br>11.3 Objectives of Analysis of Financial Statements<br>11.4 Tools of Analysis of Financial Statements<br>11.5 Limitations of Financial Analysis | Meaning of Analysis of financial statements. Significance of Analysis of financial statements. Objectives of Analysis of financial statements.<br>Comparative, Common Size, Ratio Analysis and Cash Flow Statement.<br>Limitations of Financial Analysis |

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| **JUNE** | TOOLS OF FINANCIAL STATEMENT ANALYSIS-COMPARATIVE, COMMON SIZE STATEMENTS. ACCOUNTING RATIOS | 12.4 Tools of Analysis of Financial Statements<br>12.5 Comparative Statements<br>12.6 Common Size Statement<br>13.1 Meaning of Accounting Ratios<br>13.2 Objectives of Ratio Analysis<br>13.3 Advantages of Ratio Analysis<br>13.4 Limitations of Ratio Analysis<br>13.5 Types of Ratios<br>13.6 Liquidity Ratios<br>13.7 Solvency Ratios<br>13.8 Activity (or Turnover) Ratio<br>13.9 Profitability Ratios | Preparation of comparative and common size statement,<br>Accounting Ratios: Meaning, Objectives Advantages,<br>Classification and computation-.Liquidity Ratios: ,Solvency Ratios: Activity Ratios: Profitability Ratios: |
| **JULY** | CASH FLOW STATEMENT | 14.1 Objectives of Cash Flow Statement<br>14.2 Benefits of Cash Flow Statement<br>14.3 Cash and Cash Equivalents<br>14.4 Cash Flows<br>14.5 Classification of Activities for the Preparation of Cash Flow Statement<br>14.6 Ascertaining Cash Flow from Operating Activities<br>14.7 Ascertainment of Cash Flow from Investing and Financing Activities<br>14.8 Preparation of Cash Flow Statement | Meaning, objectives Benefits of Cash Flow Statement<br><br>Cash and Cash Equivalents,<br><br>Classification of Activities and preparation (as per AS 3 (Revised) |
| **PROJECT WORK** | | | |
| **UNIT TEST I1 - 25 MARKS** | | | |

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| **AUGUST** | **ACCOUNTING FOR PARTNERSHIP FIRMS -BASIC CONCEPTS** | 1.1 Nature of Partnership 1.2 Partnership Deed 1.3 Special Aspects of Partnership Accounts 1.4 Maintenance of Capital Accounts of Partners 1.5 Distribution of Profit among Partners 1.6 Guarantee of Profit to a Partner 1.7 Past Adjustments | Meaning nature and definition<br>Contents of Partnership Deed.<br>Provisions of the Indian Partnership Act 1932 in the absence of partnership deed.<br>Fixed v/s fluctuating capital accounts.<br><br>Preparation of Profit and Loss Appropriation account-division of profit among partners Guarantee of profits to the partners and partner to the firm.<br>Past adjustments (relating to interest on capital, interest on drawing, salary and profit sharing ratio). |
| **AUGUST** | **GOODWILL: NATURE AND VALUATION** | 2.1 Nature of Goodwill<br>2.2 Factors affecting Goodwill<br>2.3 Types of Goodwill<br>2.4 Methods of valuation of Goodwill | Meaning and Nature<br>Factors affecting goodwill<br>Self-generated and Purchased<br>Methods of valuation - average profit, super profit and capitalization. |
| **AUGUST** | **RECONSTITUTION OF A PARTNERSHIP FIRM - ADMISSION OF PARTNERS** | 3.1 Modes of Reconstitution of a Partnership Firm<br>3.2 Admission of a New Partner<br>3.3 New Profit Sharing Ratio<br>3.4 Sacrificing Ratio<br>3.5 Goodwill<br>3.6 Adjustment for Accumulated Profits and Losses<br>3.7 Revaluation of Assets and Reassessment of Liabilities<br>3.8 Adjustment of Capitals | Cases of Reconstitution<br><br>Effect of admission of a partner on change in the profit sharing ratio<br>Old Ratio - New Ratio<br>Treatment of goodwill (as per AS 26)<br>Treatment of reserves, accumulated profits and losses<br><br>Treatment for revaluation of assets and re assessment of liabilities<br>Adjustment of capital accounts and preparation of capital, current account and Balance Sheet.. |

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| **SEPTEMBER** | **RECONSTITUTION OF A PARTNERSHIP FIRM - CHANGE IN PROFIT SHARING RATIO AMONG THE EXISTING PARTNERS** | 4.1 New Profit Sharing Ratio<br>4.2 Sacrificing Ratio/Gaining Ratio<br>4.3 Goodwill<br>4.4 Adjustment for Accumulated Profits and Losses<br>4.5 Revaluation of Assets and Reassessment of Liabilities<br>4.6 Adjustment of Capitals | Calculation of New Profit sharing Ratio. Sacrificing ratio, gaining ratio- Calculation. Accounting Treatment of Goodwill.<br>Treatment of reserves and accumulated profits.<br><br>Accounting for revaluation of assets and reassessment of liabilities<br>Preparation of revaluation account and Balance Sheet. |
| **SEPTEMBER** | **RECONSTITUTION OF A PARTNERSHIP FIRM - RETIREMENT OF PARTNER** | 5.1 Ascertaining the Amount Due to Retiring Partner<br>5.2 New Profit Sharing Ratio<br>5.3 Gaining Ratio<br>5.4 Treatment of Goodwill<br>5.5 Adjustment for Revaluation of Assets and Liabilities<br>5.6 Adjustment of Accumulated Profits and Losses<br>5.7 Disposal of Amount Due to Retiring Partner<br>5.8 Adjustment of Partners' Capitals<br>5.9 Retiring Partners Loan a/c | Effect of retirement of a partner on change in profit sharing ratio,<br>Calculation New Ratio.<br>New Ratio - Old Ratio<br>Treatment of goodwill (as per AS 26),<br>Treatment for revaluation of assets and reassessment of liabilities,<br>Preparation of capital, current account and Balance Sheet.<br>Adjustment of accumulated profits, losses and reserves, adjustment of capital accounts and Preparation of loan account of the retiring partner. |

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| **SEPTEMBER** | **RECONSTITUTION OF A PARTNERSHIP FIRM - DEATH OF A PARTNER** | 6.1 Ascertaining the Amount Due to Deceased Partner<br>6.2 New Profit Sharing Ratio<br>6.3 Gaining Ratio<br>6.4 Treatment of Goodwill<br>6.5 Adjustment for Revaluation of Assets and Liabilities<br>6.6 Adjustment of Accumulated Profits and Losses<br>6.7 Disposal of Amount Due to Deceased Partner<br>6.8 Executors a/c | Calculation of amount to be transferred to Executor's A/c<br>Calculation New Ratio.<br>New Ratio - Old Ratio<br>Treatment of goodwill (as per AS 26),<br>Treatment for revaluation of assets and reassessment of liabilities,<br>Preparation of capital, current account and Balance Sheet.<br>Adjustment of accumulated profits, losses and reserves, adjustment of capital account<br>Calculation of deceased partner's share of profit till the date of death.<br>Preparation of deceased partner's capital account and his executor's account. |
| **PREMODEL EXAMINATION - 80 MARKS** | | | |

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| **OCTOBER** | **DISSOLUTION OF PARTNERSHIP FIRM** | 7.1 Dissolution of Partnership<br>7.2 Dissolution of a Firm<br>7.3 Settlement of Accounts<br>7.4 Accounting Treatment | Dissolution of partnership and partnership firm, Types of dissolution of a firm.<br>Settlement of accounts - preparation of realization account, and other related accounts: capital accounts of partners and cash/bank a/c |
| **NOVEMBER** | **FIRST MODEL EXAMINATION** | | |
| **JANUARY** | **SECOND MODEL EXAMINATION** | | |

# BHARATIYA VIDYA BHAVAN, KOCHI KENDRA

## YEAR PLAN FOR THE ACADEMIC YEAR 2026-27

CLASS : XII SUBJECT : BUSINESS STUDIES (054)

| MONTH | TOPIC | SUB-TOPICS | CONCEPTS |
|---|---|---|---|
| MARCH | Nature and Significance of Management | Introduction | Management - concept, objectives, and importance |
| | | Nature of Management | Management as Science, Art and Profession |
| | | Levels of Management | Levels of Management |
| | | Functions of Management | Management functions-planning, organizing, staffing, directing and controlling |
| | | Co-ordination -The Essence of Management | Coordination- concept and importance |
| MARCH-APRIL | Principles of Management | Principles of Management - The Concept | Principles of Management-concept and significance |
| | | Principles of Management | Fayol's principles of management |
| | | Taylor's Scientific Management | Taylor's Scientific management - principles and techniques |
| UNIT TEST I (25 MARKS) 8 JUNE -15 JUNE | | | |
| JUNE | Business Environment | Introduction | Meaning and importance of Business environment |
| | | Dimensions of Business Environment | Dimensions of Business Environment - Economic, Social, Technological, Political and Legal - |
| | | Demonetisation | Demonetization - concept and features |
| JUNE | Marketing | Introduction | Marketing – Concept, functions and philosophies |
| | | Marketing Mix | Marketing Mix – Concept and elements |
| | | Product | Product – branding, labelling and packaging – Concept |
| | | Pricing | Price - Concept, Factors determining price |
| | | Physical Distribution | Physical Distribution – concept, components and channels of distribution |
| | | Promotion | Promotion – Concept and elements; Advertising, Personal Selling, Sales Promotion and Public Relations |
| JUNE/JULY | Financial Management | Introduction | Financial Management: Concept, role and objectives |
| | | Financial Decisions | Financial decisions: investment, financing and dividend - Meaning and factors affecting |
| | | Financial Planning | Financial Planning - concept and importance |
| UNIT TEST II (25 MARKS) 27 JULY - 3 AUGUST | | | |
| JULY | Financial Management (contd.) | Capital Structure | Capital Structure – concept and factors affecting capital structure |
| | | Fixed and Working Capital | Fixed and Working Capital - Concept and factors affecting their requirements |
| JULY | Financial Market | Introduction | Financial Markets: Concept |
| | | Money Market | Money Market: Concept |
| | | Capital Market | Capital market and its types (primary and secondary) |
| | | Stock Exchange | Stock Exchange - Functions and trading procedure |
| | | Securities and Exchange Board of India(SEBI) | Securities and Exchange Board of India (SEBI) - objectives and functions |
| AUGUST | Consumer Protection | Introduction | Consumer Protection: Concept and importance |
| | | The Consumer Protection Act,2019 | The Consumer Protection Act, 2019 |
| | | Who is a Consumer? | Meaning of consumer |
| | | Rights and Responsibilities of a Consumer | Rights and responsibilities of consumers |
| | | Who can file a complaint? | Who can file a complaint? |
| | | Redressal Agencies uner Consumer Protection Act | Redressal machinery |
| | | Reliefs Available | Remedies available |
| | | Role of Consumer Organisations and NGOS | Consumer Awareness- Role of Consumer Organisations and Non-Governmental Organisations(NGOs) |

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| **AUGUST** | **Planning** | Introduction<br>Planning Process<br>Types of Plans | Planning: Concept, importance and limitation<br>Planning process<br>Single use and Standing Plans. Objectives, Strategy, Policy, Procedure, Method, Rule, Budget and Programme |
| **SEPTEMBER** | **Organizing** | Introduction<br>Steps in the process of Organising<br>Organisation Structure<br><br>Delegation<br>Decentralisation | Organising: Concept and importance<br>Organising Process<br>Structure of organisation- functional and divisional concept.<br>Formal and informal organization - concept<br>Delegation: concept, elements and importance<br>Decentralization: concept and importance |
| **SEPTEMBER** | **Staffing** | Introduction<br>Staffing as a Part of Human Resource Management<br>Staffing Process<br>Recruitment<br>Selection<br>Training and Development | Concept and importance of staffing<br><br>Staffing as a part of Human Resource Management concept<br>Staffing process<br>Recruitment process<br>Selection – process<br>Training and Development - Concept and importance, Methods of training - on the job and off the job - vestibule training, apprenticeship training and internship training |
| **PRE MODEL EXAMINATION 28 SEPTEMBER - 9 OCTOBER** | | | |
| **OCTOBER** | **Directing** | Introduction<br>Elements of Direction<br>Motivation<br>Communication | Directing: Concept and importance<br>Elements of Directing<br>Motivation - concept, Maslow's hierarchy of needs, Financial and non-financial incentives<br>Communication - concept, formal and informal communication; barriers to effective communication, How to overcome the barriers? |
| **OCTOBER** | **Controlling** | Controlling<br>Relationship between Planning and Controlling<br>Controlling Process | Controlling - Concept and importance<br>Relationship between planning and controlling<br>Steps in process of control |
| **MODEL EXAMINATION (80 MARKS) 23 NOVEMBER (TENTATIVE)** | | | |

BHARATIYA VIDYA BHAVAN, KOCHI KENDRA

INFORMATICS PRACTICES(065)

YEAR PLAN FOR THE ACADEMIC YEAR 2026-2027

CLASS: XII

| MONTH | TOPIC | SUB-TOPICS | CONCEPTS |
|---|---|---|---|
| MARCH/APRIL | Unit 1: Data Handling using Pandas –I | Introduction to Python libraries- Pandas, Matplotlib Data structures in Pandas - Series and Data Frames Series: Creation of Series from – ndarray, dictionary, scalar value ; Mathematical operations on series – addition, subtraction, multiplication, division ,Head and Tail functions Selection, Indexing and Slicing Attributes of Series – name, index.name, values, size, emptyDataFrames: creation - from dictionary of Series, list of dictionaries, displaying dataframe<br>Attributes of DataFrames – index, columns, dtypes, values, shape, size, T, ndim, head(), tail() | Data analysis using Python libraries,Concepts of data structures,Series creation and its operations. Creation of 2D data sructure: Dataframe and its attributes |
| JUNE | Unit 1: Data Handling using Pandas –I | Dataframe Creation using Text/CSV files, display; iteration; Operations on rows and columns: add, select, delete, rename; Head and Tail functions; Indexing using Labels, Boolean Indexing; Importing/Exporting Data between CSV files and Data Frames. | DataFrame creation (Revision) Operations and methods dataframes.<br><br>Dataframes indexing , concept of importing and exporting data using csv |

UNIT TEST I -08/06/2026 TO 16/06/2026

Portions:- Introduction to Python libraries- Pandas,Data structures in Pandas - Series and Data Frame Creation - from dictionary of Series, list of dictionaries

MARKING SCHEME:

OBJECTIVE TYPE QUESTIONS :- [MCQs - 5 marks(20%) ]

COMPETENCY BASED QUESTIONS:- MCQ - 2 Marks, Assertion Reasoning - 1 Mark (4%), Find the output, Find the errors and operations based on Series - 10 Marks (40%),Series and Data Frame creation - 5 Marks (20%)

CONSTRUCTED RESPONSE QUESTIONS [Short answer questions - 2 Marks (8%)]

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|---|---|---|---|
| JULY | Unit 1: Data Visualization, I<br>Unit 3:ntroduction to Computer Networks | Data Visualization: Purpose of plotting; drawing and saving following types of plots using Matplotlib –line plot, bar graph, histogram<br>Customizing plots: adding label, title, and legend in plots.<br><br>Introduction to networks, Types of network: PAN, LAN, MAN, WAN.<br>Network Devices: modem, hub, switch, repeater, router, gateway<br>Network Topologies: Star, Bus, Tree, Mesh.Introduction to Internet, URL, W W W, and its applications- Web, email, Chat, VoIP.<br>Website: Introduction, difference between a website and webpage, static vs dynamicweb page, web server and hosting of a website.<br>Web Browsers: Introduction, commonly used browsers, browser settings, add-ons and plug-ins, cookies. | Visualizing data using matplotlib library,<br><br>Network and types<br>of Network,Network Devices,Network Topology,Internet and web fundementals |
| **UNIT TEST II: 27/07/2026 TO 03/08/2026**<br>**PORTIONS :Data Frames: creation -(All methods given in the curriculum) display; iteration; Operations ,Indexing**<br>**Importing/Exporting Data between CSV files and Data Frames.**<br><br>**MARKING SCHEME:**<br>**OBJECTIVE TYPE QUESTIONS [MCQs - 5 marks(20%) ]**<br>**COMPETENCY BASED QUESTIONS**<br>**Assertion Reasoning - 1 Mark (4%)**<br>**Find the output, Find the errors and operations based on DataFrame -9 Marks (36%)** | | | |
| AUGUST | Unit 2: Database Query using SQL | Database Query using SQL<br>Revision of database concepts and SQL commands covered in class XI<br>Math functions: POWER (), ROUND (), MOD ().<br>Date Functions: NOW (), DATE (), MONTH (), MONTHNAME (), YEAR (), DAY (), DAYNAME (). | Database Query using SQL<br>Revision of database concepts,SQL single row functions-Math and Date functions |
| | Unit 2: Database Query using SQL | Text functions: UCASE ()/ UPPER (), LCASE ()/ LOWER (), MID ()/ SUBSTRING ()/SUBSTR (), LENGTH (), LEFT (), RIGHT (), INSTR (), LTRIM (), RTRIM (), TRIM<br>Aggregate Functions: MAX (), MIN (), AVG (), SUM (), COUNT (); using COUNT (*).<br>Querying and manipulating data using Group by, Having, Order by.<br>Working with two tables using equi-join. | SQL single row functions- Text functions<br>Aggregate Functions,Group by Clause, Having clause, Order by clause,SQL join |

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| SEPTEMBER | PRE MODEL EXAMINATION 28/09/2026 TO 09/10/2026<br>( POFTIONS : All portions except Societal Impacts )<br>MARKING SCHEME :Unit I Data Handling using Pandas and Data Visualization – 30 Marks, Unit 2: Database Query using SQL-28 Marks,Unit 3: Introduction to Computer Networks -12 Marks<br>SELECT RESPONSE TYPE QUESTIONS [MCQs - 14 marks (20%) ]<br>COMPETENCY BASED QUESTIONS<br>Assertion Reasoning - 2 Mark (3 %)<br>Very Short Answer type questions carrying 01 mark or 02 marks each(case based source-based integrated ,MCQ ,any other type) - 17 marks (24 %)<br>Short Answer type questions carrying 03 marks - 9 Marks (13%)<br>Short Answer type questions carrying 04 marks - 8 Marks (12%)<br>CONSTRUCTED RESPONSE QUESTIONS<br>Questions carrying 5 marks each (constructed response type) -10 Marks (14%)<br>Questions carrying 2 marks each (constructed response type) -10 Marks (14%) | | |
| OCTOBER | Unit 4: Societal Impacts | Societal Impacts<br>Digital footprint, net and commun cation etiquettes, data protection, intellectual property<br>rights (IPR), plagiarism, licensing and copyright, free and open source software (FOSS),<br>cybercrime and cyber laws, hacking, phishing, cyber bullying, overview of Indian IT Act.<br>E-waste: hazards and management.<br>Awareness about health concerns related to the usage of technology | Societal Impacts- cybercrime and cyber laws,<br>E-waste: hazards and management. |
| NOVEMBER | FIRST MODEL EXAMINATION FULL PORTIONS | | |
| JANUARY | SECOND MODEL EXAMINATION 04/01/2027-22/01/2027 FULL PORTIONS | | |

**BHARATIYA VIDYA BHAVAN, KOCHI KENDRA**

**YEAR PLAN - 2026-2027**

**STD: XII- SUBJECT: ECONOMICS (030)**

| PART A–MACROECONOMICS | |
|---|---|
| March/ April | Unit II: Money &Banking |
| June | Unit I-National Income and related aggregates |
| July | Unit IV: Government budget and the economy<br>Unit V: Balance of Payments |
| September/October | Unit III: Determination of income and employment |

| PART-B- INDIAN ECONOMIC DEVELOPMENT | |
|---|---|
| March/April | Unit VI: Development Experience (1947-90) and Economic Reforms since 1991<br>1: Indian economy on the eve of Independence<br>2:Indian economy 1950-1990 |
| June | Unit VI: Development Experience (1947-90) and Economic Reforms since 1991<br>3: Liberalization, Privatization and Globalization: an appraisal<br>Unit VII: Current challenges facing the Indian Economy<br>4: Human Capital Formation in India |
| July | Unit VII: Current challenges facing the Indian Economy<br>5: Rural development |
| August | Unit VII: Current challenges facing the Indian Economy<br>6: Employment: Growth, Informalization and other issues<br>7: Environment and Sustainable Development |
| October | Unit VIII: Development experience of India: A comparison with neighbours<br>8: Comparative development experiences of India and its neighbours |

**BHARATIYA VIDYA BHAVAN, KOCHI**
**STD. XII -HISTORY**
**YEAR PLAN FOR THE ACADEMIC YEAR 2026-2027**

| MONTH | TOPIC | SUB TOPIC | CONCEPTS |
|---|---|---|---|
| **MARCH** | **1. Bricks, Beads and Bones** | * The beginning<br>* Subsistence Strategies<br>* Mohenjodaro -A Planned Urban Centre<br>*Tracking Social Differences<br>* The End of the Civilisation<br>* Discovering the Harappan Civilisation | * Agricultural technologies<br>* The Citadel<br>* Looking for "luxuries" and burials<br>* Cunningham's confusion<br>* Problems of interpretation |
| **APRIL** | **2. Kings, Farmers and Towns** | * Prinsep and Piyadassi<br>* The Earliest States<br>* An Early Empire<br>* New Notions of Kingship<br>* A Changing Countryside<br>* Towns and Trade<br>* Back to Basics - How Are Inscriptions Deciphered?<br>* The Limitations of Inscriptional Evidence | * The sixteen mahajanapadas<br>* Administering the empire<br>* Chiefs and kings in the south<br>* Popular perceptions of kings<br>* Urban populations:Elites and craftspersons<br>* Historical evidence from inscriptions |
| | **FIRST UNIT TEST JUNE 8 - 15 (25 marks)** | | |
| **JUNE** | **3. Kinship, Caste and Class** | * . The Critical Edition of the Mahabharata<br>* Kinship and Marriage -Many Rules and Varied Practices<br>* Social Differences:Within and Beyond the Framework of Caste<br>* Beyond Birth Resources and Status<br>* Explaining Social Differences:<br>* Handling Texts Historians and the Mahabharata | * Families and Gotras<br>* Rules of marriage<br>* Matriliny and metronimics<br>* The four fold varna system<br>* Varna and access to property<br>* Language and content - Mahabharata<br>* The search for convergence<br>* Archaeological evidences |

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| **JUNE/JULY** | **4. Thinkers, Beliefs and Buildings** | * A Glimpse of Sanchi<br>* The Background:Sacrifices and Debates<br>* Beyond Worldly Pleasures - The Message of Mahavira<br>* Followers of the Buddha<br>* Stupas and Sculpture<br>* New Religious Tradition | * The sacrificial tradition - Thantric traditions<br>* The teachings of Mahavitra<br>* The Buddha and the Quest for Enlightenment<br>* The teachings of the Buddha<br>* Discovering - the Fate of Amaravati and Sanchi<br>* Stories in stones<br>* The development of Mahayana Buddhism and the growth of Puranic Hinduism |
| **SECOND UNIT TEST JULY 27 - AUGUST 3 (25 marks)** | | | |
| **JULY/ AUGUST** | **5. Through the Eyes of Travellers** | * Al-Biruni and the Kitab-ul-Hind<br>* Ibn Battuta's Rihla<br>* François Bernier<br>* Al-Biruni and the SanskriticTradition<br>* Ibn Battuta and the Excitement of the Unfamiliar<br>* Bernier and the "Degenerate"East<br>* Women Slaves, Sati and Labourers | * The Kitab-ul-Hind as a source<br>* An early globe-trotter<br>* Comparing "East" and "West"<br>* Overcoming barriers to understanding<br>* Al-Biruni's description of the caste system<br>* The Indian cities, a unique system of communication<br>* The concept of land owership<br>* The condition of women in the society |
| **AUGUST** | **6. Bhakti-Sufi Traditions** | * A Mosaic of Religious Beliefs and Practices<br>* Poems of Prayer Early Traditions of Bhakti<br>* The Virashaiva Tradition in Karnataka<br>* Religious Ferment inNorth India<br>* New Strands in the Fabric Islamic Traditions<br>* The Growth of Sufism<br>* The Chishtis in the Subcontinent<br>* New Devotional Paths Dialogue and Dissent in Northern India | * The integration of cults<br>* The Alvars and Nayanars of Tamil Nadu<br>* The popular practice of Islam<br>* Khanqahs and silsilas<br>* Life in the Chishti khanqah<br>* Kabir, Baba Guru Nanak and Mirabai |

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| **AUG/ SEPT** | **7. An Imperial Capital : Vijayanagara** | * The Discovery of Hampi<br>* Rayas, Nayakas and Sultans<br>* Vijayanagara - The Capital and its Environs<br>* The Royal Centre<br>* The Sacred Centre<br>* Plotting Palaces, Temples and Bazaars | * The apogee and decline of the empire<br>* Water resources<br>* Fortifications and roads<br>* The mahanavami dibba<br>* Gopurams and mandapas<br>* Other buildings in the royal centre |
| **AUG/ SEPT** | **8 Peasants, Zamindars and the State** | * Peasants and Agricultural Production<br>*The Village Community<br>*Women in Agrarian Society<br>*Forests and Tribes<br>*The Zamindars<br>Land Revenue System<br>*The Ain-i Akbari of Abu'l Fazl Allami | * Looking for sources<br>*Panchayats and headmen<br>*Peasants and their lands<br>*Caste and the rural milieu<br>*Inroads into forests |
| **PRE-MODEL SEPTEMBER 28 - OCTOBER 9 (80 marks)** | | | |
| **SEPT/OCT** | **9. Colonialism and the Countryside** | * Bengal and the Zamindars<br>* Why zamindars defaulted on payments<br>*The Hoe and the Plough<br>* A Revolt in the Countryside The Bombay Deccan<br>* The Deccan Riots Commission | * An auction in Burdwan<br>* Why zamindars defaulted on payments<br>* The rise of the jotedars and zamindars resist<br>* The Fifth Report<br>* Paharias and Santhals<br>* A new revenue system<br>* The Deccan Riots Report |
| **OCTOBER** | **10. Rebels and the Raj** | * Pattern of the Rebellion<br>* Awadh in Revolt<br>* What the Rebels Wanted<br>* Repression<br>* Images of the Revolt | * The beginning of the mutiny<br>* Leaders and followers<br>* Rumours and prophecies<br>* Subsidiary Alliance<br>* The vision of unity<br>* English women and the honour of Britain<br>* Nationalist imageries |

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| **NOVEMBER** | **11. Mahatma Gandhi and the Nationalist Movement** | * Mahatma Gandhi as a leader<br>* The Making and Unmaking of Noncooperation<br>* The Salt Satyagraha - a case study<br>* The Last Heroic Days * Knowing Gandhi | * Dandi<br>* Public voice and private scripts<br>* Framing a picture<br>* Through police eyes<br>* From newspapers |
| **NOVEMBER** | **12. Framing the Constitution** | * A Tumultuous Time<br>* The Vision of the Constitution<br>* Defining Rights<br>* The Powers of the State<br>* The Language of the Nation | * The making of the Constituent Assembly<br>* The problem with separate electorates<br>* Objective Resolution<br>* The language debate<br>* A plea for Hindi<br>* The fear of domination |

**FIRST MODEL EXAMINATION NOVEMBER 23 - DEC 14 (80 marks)**

**SECOND MODEL EXAMINATION JANUARY 4 -22 (80 marks)**

**PORTIONS FOR THE EXAMINATION 2026 - 2027**

**PORTIONS FOR UNIT TEST 1 JUNE 8 - 15 (25 MARKS)**

1. Bricks, Beads and Bones
2. Kings, Farmers and Towns

**PORTIONS FOR SECOND UNIT TEST JULY 27 - AUGUST 3 (25 MARKS)**

. Kinship, Caste and Class
. Thinkers, Beliefs and Buildings

**PORTIONS FOR PRE MODEL SEPTEMBER 28 - OCTOBER 9 (80 MARKS)**

1. Bricks, Beads and Bones
2. Kings, Farmers and Towns
3. Kinship, Caste and Class
4. Thinkers, Beliefs and Buildings
5. Through the Eyes of Travellers
6. Bhakti-Sufi Tradition
7. An Imperial Capital – Vijayanagara
8. Peasants, Zamindars and the State

**PORTIONS FOR FIRST MODEL EXAMINATION NOVEMBER 24 - DEC 14 (80 MARKS)**

1. Bricks, Beads and Bone3
2. Kings, Farmers and Towns
3. Kinship, Caste and Class
4. Thinkers, Beliefs and Buildings
5. Through the Eyes of Travellers
6. Bhakti-Sufi Tradition
7. An Imperial Capital – Vijayanagara
8. Peasants, Zamindars and the State
9. Colonialism and the Countryside
10. Rebels and the Raj
11. Mahatma Gandhi and the Nationalist Movement
12. Framing the Constitution

# BHARATIYA VIDYA BHAVAN, KOCHI

## YEAR PLAN FOR THE ACADEMIC YEAR 2026-27

## Subject: PSYCHOLOGY (037)

## CLASS: XII

| MONTH | TOPIC | SUB-TOPICS | CONCEPTS |
|---|---|---|---|
| **MARCH/ APRIL** | **Variations in Psychological Attributes** | Individual differences in human functioning assessment of psychological attributes. Intelligence, theories of intelligence. Individual differences in intelligence. Culture and intelligence. Emotional intelligence. Special abilities. Creativity | Theory of multiple intelligence, Triarchic theory of intelligence, PASS model. Variations in intelligence. Some misuse of intelligence test. Characteristics of emotionally intelligent person Aptitude: Nature and measurement |
| **MARCH/ APRIL** | **Meeting life challenges** | Nature, types and sources of stress. Effects of stress on psychological functioning and health. Coping with Stress promoting positive health and wellbeing | A measure of stressful life events, examination anxiety stress and health, GAS, Stress and immune system lifestyle, stress management techniques, lifeskills, resilience and health |
| | **FIRST UNIT TEST (08-06-2026 T0 16-06-2026)** | (25 MARKS) | |

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|---|---|---|---|
| **JUNE** | **Self and personality** | Concept of self , cognitive and behavioural aspects of self, culture and self , Concept of personality, Major approaches to the study of personality, Assessment of personality | self esteem, self efficacy, self regulation.type approaches, trait approaches, 5 factor model of personality, psychodynamic approach, behavioural approach, cultural approach, humanistic approach, self report measure, projective techniques, behavioural analysis |
| **JULY** | **Psychological disorders** | Concepts of abnormality classification of psychological disorder,factors underlying abnormal behaviour, major psychological disorders | Anxiety disorders, somatic symptom disorders, dissociative disorders, mood disorders, schizophrenic disorders and its subtype, OCD, stress related disorders, neurodevelopmental disorders, substance use disorders effects of commonly abused substances |
| | **SECOND UNIT TEST (27.07.2026 to 03.08.2026)** | **(25 MARKS)** | |
| **JULY-AUGUST** | **Therapeutic Approaches** | Nature and process of psychotherapy. Types of therapies. Rehabilitation of the mentally ill | Therapeutic relationship. Steps in the formation of a client's problem, behavioural therapy, relaxation procedures, Cognitive therapy, |

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|---|---|---|---|
| | | | Humanistic-Existential therapy, Alternative therapy. |
| **SEPTEMBER** | **Attitude and Social cognition** | Explaining Social behaviour<br>nature and components of attitude<br>attitude formation and change<br>prejudice and discrimination,<br>Strategies for handling prejudice | Green environment: ABC components of an attitude.<br>Attitude formation, Attitude change, attitude behaviour relationship |
| **SEPTEMBER** | **PRE MODEL EXAMINATION (28-09-2026 to 09-10-2026)** | | |
| **OCTOBER** | **Social influence and group processes** | Nature and formation of groups.<br>Types of groups.<br>Influence of group on individual behaviour. | Group think, the minimal group paradigm experience<br>social loafing, group polarization. |
| **NOVEMBER** | **FIRST MODEL EXAMINATION (23.11.2026 to 14.12.2026)** | **(70+30= 100 MARKS)** | |
| **DECEMBER** | **MODEL PRACTICAL EXAMINATION (14-12-2026 to 21-12-2026)** | | |
| **JANUARY** | **SECOND MODEL EXAMINATION (04.01.2027 to 22.01.2027)** | | |

**BHARATIYA VIDYA BHAVAN, KOCHI KENDRA**

**ENTREPRENEURSHIP**

**CLASS XII (CODE NO. 066)**

## YEAR PLAN FOR THE ACADEMIC YEAR 2026-27

| MONTH | TOPIC | SUB-TOPICS | CONCEPTS |
|---|---|---|---|
| **MARCH-APRIL** | **Unit – 1: Entrepreneurial Opportunity** | · Sensing Entrepreneurial Opportunities<br>· Environment Scanning<br>· Problem Identification<br>· Idea fields<br>· Spotting Trends<br>· Creativity and Innovation<br>· Selecting the Right Opportunity | Entrepreneurial Opportunities<br>Environment Scanning<br>Idea fields Spotting Trends |
| **UNIT TEST 1 - 25 MARKS** | | | |
| **JUNE** | **Unit – 2: Enterprise Planning** | · Forms of business organization- Sole proprietorship, Partnership, Company<br>· Business Plan: concept, format.<br>· Components:<br>Organisational plan;<br>Operational plan;<br>Production plan;<br>Financial plan;<br>Marketing plan;<br>Human Resource plan | Business Plan |
| **JULY** | **Unit – 3: Enterprise Marketing** | · **Marketing and Sales Strategy**<br>· **Branding, Logo, Tagline**<br>· **Promotion Strategy** | Marketing and Sales Strategy<br>Branding, Logo, Tagline<br>Promotion Strategy |
| **UNIT TEST I1 - 25 MARKS** | | | |
| **AUGUST** | **Unit – 4: Enterprise Growth Strategies** | · Franchising: Concept and types<br>· Franchising: Advantages and limitations to franchisor and franchisee.<br>· Mergers and Acquisition: Concept, reasons and types.<br>· Reasons for mergers and acquisitions | Franchising Mergers and Acquisition |
| **SEPTEMBER** | **Unit – 5: Business Arithmetic** | · Unit of Sale, Unit Cost for multiple products or services<br>· Break even Analysis for multiple products or services<br>· Computation of Working Capital<br>· Inventory Control and EOQ<br>· Return on Investment (ROI) and Return on Equity (ROE) | Unit of Sale, Unit Cost<br>Break even Analysis<br>Working Capital<br>Inventory Control and EOQ<br>Return on Investment (ROI) and Return on Equity (ROE) |
| **PRE MODEL EXAMINATION - 70 MARKS** | | | |
| **OCTOBER** | **Unit – 6: Resource Mobilization** | · Capital Market: Concept<br>· Primary market: Concept, methods of issue<br>· Angel Investor: Features<br>· Venture Capital: Features, funding. | Capital Market<br>Primary market<br>Angel Investor<br>Venture Capital |
| **NOVEMBER** | **FIRST MODEL EXAMINATION** | | |