Mendelian genetics problems and solutions pdf



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AP Inter Syllabus 2022-23 PDF Download the pdfs from the above-given table to know reduced and deleted topics of AP Inter Syllabus 2022-23. Also Read: AP Intermediate Syllabus 2022-23. LanguagesEnglish is amongst one of the most scoring subjects in AP intermediate exams. Students must go through the detailed syllabus of English below. AP inter 2nd Year Syllabus 2022-23 for LanguagesEnglish: Part IProse1. Respond Instead of Reacting by Azim Premiji2. How to Live to be 200 by Stephen Leacock3. Albert Einstein at School by Patrick Pringle4. Eight Cousins or One Brother? By D.Balasubramanian5. Spoon-Feeding by W.R.Inge6. Mother's Day: One-Act play by J.B.PriestleyPoetry1. Equipment by Edgar Albert Guest2. The Giving Tree by Shel Silverstein3. Human Family by Maya Angelou4. Bull in the City by Sri Sri (Translated by Velcheru Narayana Rao)5. Harvest Hymn by John BetjemanNon-Detailed Text1. Animal Farm (an abridged version) by George OrwellStudy skills and communication skills1. Conversation Practice2. Vocabulary3. Reading Comprehension4. Interpretation of Non-Verbal Information5. The Language of Advertisements6. Letter Writing7. Note Making8. Word Stress9. Describing a Process10. Completing a Form11.Curriculum VitaeEnglish: Part IIProse1. Playing the English Gentleman - M.K. Gandhi2. The Bet - Anton Chekov3. The Prize Poem Sir P. G. Wodehouse6. Sale - Anita Desai7. Riders to the Sea - J.M. SyngePoetry1. Ulysses - Alfred Lord Tennyson2. The Second Coming - W.B. Yeats3. The Unknown Citizen - W.H. Auden4. To the Indians who Died in South Africa -T.S. Eliot5. The Night of the Scorpion - Nissim Ezekiel6. Rakhi - Vikram Seth7. Telephone Conversation - Wole SoyinkaNon-Detailed TextJulius Caesar - Shakespeare Orient Longman EditionAP Intermediate Syllabus 2022-23 - Part II LanguagesOther languages prescribed by the Andhra Pradesh Board are mentioned below. Students can click on the link given below to download the entire language syllabus 2022-23 - ScienceStudents should plan their studies as per the prescribed syllabus mentioned below. Science is the subject whose concept should be very clear in order to score high in the AP intermediate result 2022. Find below the detailed AP Intermediate Board 2022-23 Syllabus for Mathematics Mathematics II AChaptersImportant Topics01. Complex NumbersComplex number as an ordered pair of real numbers- fundamental operations, Geometrical and Polar Representation of complex numbers in Argand diagram, etc.02. De Moivre's TheoremDe Moivre's TheoremDe Moivre's TheoremDe Moivre's Theorem-Integral and Rational indices, nth roots of unityone variable, Quadratic inequations, etc.04. Theory of EquationsThe relation between the roots and coefficients in an equation, Solving the equation, Transformation of equations, etc.05. Permutations and CombinationsFundamental Principle of counting - linear and circular permutations, Permutations with constraint repetitions, etc.06. Binomial theorem for a positive integral index, Approximations of f(x)/g(x) when g(x) contains irreducible factors, Partial fractions of f(x)/g(x) when g(x) contains irreducible factors, Partial fractions of f(x)/g(x) when g(x) contains irreducible factors, Partial fractions of f(x)/g(x) when g(x) contains irreducible factors, Partial fractions of f(x)/g(x) when g(x) contains irreducible factors, Partial fractions of f(x)/g(x) when g(x) contains irreducible factors, Partial fractions of f(x)/g(x) when g(x) contains irreducible factors, Partial fractions of f(x)/g(x) when g(x) contains irreducible factors, Partial fractions of f(x)/g(x) when g(x) contains irreducible factors, Partial fractions of f(x)/g(x) when g(x) contains irreducible factors, Partial fractions of f(x)/g(x) when g(x) contains irreducible factors, Partial fractions of f(x)/g(x) when g(x) contains irreducible factors, Partial fractions of f(x)/g(x) when g(x) contains irreducible factors, Partial fractions of f(x)/g(x) when g(x) contains irreducible factors, Partial fractions of f(x)/g(x) when g(x) contains irreducible factors, Partial fractions of f(x)/g(x) when g(x) contains irreducible factors, Partial fractions of f(x)/g(x) when g(x) contains irreducible factors, Partial fractions of f(x)/g(x) when g(x) contains irreducible factors, Partial fractions of f(x)/g(x) when g(x) contains irreducible factors, Partial fractions of f(x)/g(x) when g(x) contains irreducible factors, Partial fractions of f(x)/g(x) when g(x) contains irreducible factors, Partial fractions of f(x)/g(x) when g(x) contains irreducible factors, Partial fractions of f(x)/g(x) when g(x) contains irreducible factors, Partial fractions of f(x)/g(x) when g(x) contains irreducible factors, Partial fractions of f(x)/g(x) when g(x) contains irreducible factors, Partial fractions of f(x)/g(x) when g(x) contains irreducible factors, Partial fractions of f(x)/g(x) when g(x) contains irreducible factors, Partial fac etc.08. Measures of DispersionRange, Mean deviation, Variance and standard deviation of ungrouped/grouped data, etc.09. Probability, etc.10. Random Variables and Probability Random experiments and events, Axiomatic approach and addition theorem of probability, etc.10. Random Variables and Probability Random experiments and events, Axiomatic approach and addition theorem of probability, etc.10. Random Variables and Probability Random experiments and events, Axiomatic approach and addition theorem of probability, etc.10. Random Variables and Probability, etc.10. Random Variables, Theoretical discrete distributions – Binomial and Poisson Distributions, etc.List of Topics Deleted In AP Inter Maths II-A Syllabus for 2022-23Sr. no.TopicsSub-topics1.2.8-> Square root of a Complex Numbers1.2.8-> Sq Transformation of Equations including exercise4(d)5.Permutations & CombinationsDerivation of formula npr and ncrTheorems: 5.2.1 and 5.6.16.Bi-nominal theoremFull7.Partial Functions7.3.8 and including exercise7(d)8.Measures of Dispersion8.4-> Coefficient of variation and analysis of frequency distributions with equal means Solved problems 2,3,6 in 8.5 and problem No:3 in III inexercise 8(a) Below mentioned is the AP intermediate syllabus for Maths Part II. Students are advised to go through the same and prepare accordingly. AP Intermediate Syllabus 2022-23 for Mathematics II BMathematics of a point-definition of tangent-length of a tangent, Relative position of two circles- circles touching each other externally, etc.02.System of Circles, radical centre, Intersection of a line and a Circle, etc.03.ParabolaConic sections -Parabola- equation of the parabola in standard form, Equations of tangent and normal at a point on the parabola, different forms of a parabola- parametric equations, etc.04. Ellipse equation of tangent and normal at a point on the hyperbola, Equation of hyperbola in standard form- Parametric equations, etc.06. IntegrationIntegration- Partial fractions method, Reduction formulae, Integrals, etc.07. Definite Integrals, etc.07. Definite Integral as the limit of a sum, Interpretation of Definite Integral as an area, Properties, Reduction formulae.Application of Definite integral to areas, etc.08. Differential equationsFormation of differential equation-Degree and order of an ordinary differential equation, etc.List of Topics Deleted in AP Inter Maths II-B Syllabus 2022-23Sr. no.TopicsSub- topics1Circles1.5-> Relative positions of two circles exercise 7(a) and 7(b) and Examples 7.6-> Application of Differential Equations and problems related to it8.2(C): Non – Homogeneous Differential Equations of the type dx+Px=Q, Where P and QAlso, check AP Intermediate Syllabus 2022-23 - PhysicsStudents must go through the AP Intermediate Physics syllabus mentioned below. We have also provided important topics for the convenience of the students. AP Inter 2nd Year Syllabus 2022-23 for PhysicsChapters1 - WAVESTransverse and longitudinal waves, Displacement relation in a progressive wave, The speed of a travelling wave, The principle of superposition of waves, Reflection of waves, Refraction, Total Internal Reflection, Refraction, Refraction at Spherical Surfaces and by Lenses, Refraction through a Prism, Dispersion by a Prism, Some Natural Phenomena due to Sunlight, Optical Instruments, etc. Chapter 3 - WAVE OPTICSHuygens Principle, Coherent and Incoherent Addition of Waves, Interference of Light Waves and Young's Experiment, Diffraction, etc. Chapter 4 -ELECTRIC CHARGES AND FIELDSElectric Charges, Conductors and Insulators, Charging by Induction, Basic Properties of Electric Charges, Dipole in a Uniform External Field, Continuous Charge Distribution, Gauss's Law, Application of Gauss's Law, etc. Chapter 5 - ELECTROSTATIC POTENTIAL AND CAPACITANCEElectrostatic Potential, Potential due to a Point Charges, Potential due to a System of Charges, Equipotential Burfaces, Potential due to a System of Charges, The Parallel Plate Capacitor, Van de Graaff Generator, etc. Potential Energy in an External Field, etc.Chapter 6 - CURRENT ELECTRICITYElectric Current, Electric Current, Electric and in Parallel, Kirchhoff's Laws, Wheatstone Bridge, Meter Bridge, Potentiometer, etc.Chapter 7 - MOVING CHARGES AND MAGNETISMMagnetic Fields, Magnetic Fields, Magnetic Field due to a Current, Element, Biot-Savart Law, Magnetic Field on the Axis of a Circular Current Loop, Torque on Current Loop, Magnetic Dipole, The Moving Coil Galvanometer, etc.Chapter 8 - MAGNETISM AND MATTERThe Bar Magnetism and Gauss's Law, The Earth's Magnetism, Ma Faraday and Henry, Magnetic Flux, Faraday's, Law of Induction, Lenz's Law and Conservation of Energy, Inductance, AC Generator, etc. Chapter 10 - ALTERNATING CURRENTAC Voltage Applied to a Resistor, Representation of AC Current and Voltage by Rotating Vectors - Phasors, AC Voltage Applied to an Inductor, AC Voltage Applied to a Capacitor, AC Voltage Applied to a Series LCR Circuit, Power in AC Circuit, The Power Factor, LC Oscillations, Transformers, etc.Chapter 11 - ELECTROMAGNETIC WAVESDisplacement Current, Electromagnetic Spectrum, etc.Chapter 11 - ELECTROMAGNETIC WAVESDisplacement Current, Electromagnetic Spectrum, etc.Chapter 11 - ELECTROMAGNETIC WAVESDisplacement Current, Electromagnetic Spectrum, etc.Chapter 12 - DUAL NATURE OF RADIATION AND MATTERElectron Emission, Photoelectric Effect, Experimental Study of Photoelectric Effect, Photoelectric Atomic Spectra, Bohr Model of the Hydrogen Atom, The Line Spectra of the Hydrogen Atom, DE Broglie's Explanation of Bohr's Second Postulate of Quantisation, etc. Chapter 14 - NUCLEIAtomic Masses and Composition of Nucleus, Size of the Nucleus, Mass-Energy and Nuclear Binding Energy, Nuclear Force, Radioactivity, Nuclear Energy, etc.Chapter 15 - SEMICONDUCTOR ELECTRONICS: MATERIALS, DEVICES AND SIMPLE CIRCUITSClassification of Metals, Conductors, Intrinsic Semiconductor, Application of Junction Diode as a Rectifier, Special Purpose p-n Junction Diodes, Junction Transistor, Digital Electronics and Logic Gates, Integrated Circuits, etc.Chapter 16 - COMMUNICATION SYSTEMSElements of a Communication System, Basic Terminology Used in Electronic Communication System, Bandwidth of Transmission Medium, Propagation of Electromagnetic Waves, Modulation, etc.Deleted Topics of AP Inter Physics Syllabus 2022-23Sr. no.Topics1Waves - Doppler effected and its two situations2Ray Optics and Optical Instruments - Reflection of light by spherical mirrors, the mirror equation. Scattering of the sun at sunrise and sunset and blue colours of the sky.3Wave Optics -Diffraction: Resolving power of optical instruments (microscope and astronomical telescope)Polarisation: Polarisation of reflection (Brewster's law) plane-polarized light (uses) polaroids, polarized hin spherical shell (field inside and outside)6Current Electricity - Colour code for carbon resistors, series and parallel combinations of resistors7Moving charges and magnetism - Cyclotron8Magnetism and Matter - Magnetic field intensity due to a magnetic field intensity due to a magnetic field Magnetic properties of materials (Para, dia and Ferro) and its examples, permanentmagnets and electromagnets.10Alternating Current-Power in AC circuit-The power factor, wattles current11Electromagnetic waves - Displacement current12Dual natural of Radiation and matter - Davisson and Germer experiment14Nuclei - Radio activity (alpha, beta and gamma particles and their properties) Law of radioactive decay, half-life and mean a life of a Radioactive material, Binding energy per nucleon and its variationwith mass number.15Semiconductor electronics: materials, devices and simple circuitsPurpose of P-N junction diode1. Zener diode and their characteristics2. Zener diode and their char is a subject that needs thorough study. Students are advised to refer to the table below to know the complete AP Intermediate Chemistry syllabus 2022-23 for ChemistryChaptersImportant TopicsChapter 1: SOLID STATEGeneral characteristics of solid-state, Amorphous and crystalline solids, Classification of crystalline solids based ondifferent binding forces (molecular, ionic, metallic and covalentsolids), Imperfections in solids-types of point defects-stoichiometric defects, Electrical properties-conduction of electricity in metals, etc. Chapter 2: SOLUTIONSTypes of solutions, Expressing concentration of solutions mass percentage, volume percentage, parts per million, Abnormal molar masses-van't Hoff factor, etc.Chapter 3: ELECTROCHEMISTRY AND CHEMISTRY Electrochemical cells, Galvanic cells: measurement of electrode potentials, Nernst equation-equilibrium constant fromNernst equation- electrochemical cell and Gibbs energy of the cellreaction, Corrosion of metals-Hydrogen economy, etc. Chapter 4: SURFACE CHEMISTRYAdsorption and absorption, Emulsions, etc.Chapter 5: GENERAL PRINCIPLES OF METALLURGYThe occurrence of metals, magnetic separation, froth floatation, leaching, Extraction of crude metal from concentrated ore-conversion tooxide, Uses of aluminium, copper, zinc and iron, etc.Chapter 6: p-BLOCK ELEMENTSOROUP-15 ELEMENTSOccurrence-electronic configuration, atomic and ionic radii, ionisation energy, electronegativity, physical and chemical properties, Phosphorus halides, etc.GROUP-16 ELEMENTSOccurrence, electronegativity, physical and chemical properties, Dioxygen-preparation, etc.GROUP-17 ELEMENTSOccurrence, electronegativity, physical and chemical properties, Phosphorus halides, etc.GROUP-16 ELEMENTSOccurrence, electronegativity, physical and chemical properties, Phosphorus halides, etc.GROUP-16 ELEMENTSOccurrence, electronegativity, physical and chemical properties, Phosphorus halides, etc.GROUP-16 ELEMENTSOccurrence, electronegativity, physical and chemical properties, Phosphorus halides, etc.GROUP-16 ELEMENTSOccurrence, electronegativity, physical and chemical properties, Phosphorus halides, etc.GROUP-16 ELEMENTSOccurrence, electronegativity, physical and chemical properties, Phosphorus halides, etc.GROUP-16 ELEMENTSOccurrence, electronegativity, physical and chemical properties, Phosphorus halides, etc.GROUP-16 ELEMENTSOccurrence, electronegativity, physical and chemical properties, Phosphorus halides, etc.GROUP-16 ELEMENTSOccurrence, electronegativity, physical and chemical properties, Phosphorus halides, etc.GROUP-16 ELEMENTSOccurrence, electronegativity, physical and chemical properties, Phosphorus halides, etc.GROUP-16 ELEMENTSOccurrence, electronegativity, physical and chemical properties, Phosphorus halides, etc.GROUP-16 ELEMENTSOccurrence, electronegativity, physical and chemical properties, Phosphorus halides, etc.GROUP-16 ELEMENTSOccurrence, electronegativity, physical and chemical properties, Phosphorus halides, etc.GROUP-16 ELEMENTSOccurrence, electronegativity, physical and chemical properties, Phosphorus halides, etc.GROUP-16 ELEMENTSOccurrence, electronegativity, physical and electronegativity, electronegativity, electroneg electronic configuration, atomic and ionic radii, ionisation enthalpy, electron gain enthalpy, electronegativity, physical and chemical properties, etc.GROUP-18 ELEMENTSOccurrence, electronic configuration, ionisationenthalpy, atomic radii electron gain enthalpy, Xenon-oxygen, compounds XeO3 and XeOF4 - their formation and structures, etc.Chapter 7: d AND f BLOCK ELEMENTS & COORDINATION COMPOUNDS d AND f BLOCK ELEMENTS Actinides-electronic configuration atomic andionic sizes, oxidation states, general characteristics and comparison with lanthanide, Some important compounds of transition elements-oxides and oxoanions of metals-preparation and properties ofpotassium dichromate and potassium permanganate-structures of chromate, etc. COORDINATION COMPOUNDS: Structural isomerism, bonding in coordination, ionisation and solvate isomerism, bonding in coordination or chain growth polymerization-ionicpolymerization, free radical mechanism-preparation of additionpolymers-polythene, Teflon, Polymers of commercial importance polypropene, polystyrene, poly hormones, their production, biological activity, diseasesdue to their abnormal activities, etc. Chapter 10: CHEMISTRY IN EVERYDAY LIFEChemicals in food artificial sweetening agents, food preservatives, Drug-enzymeinteraction Receptors as drug targets, Cleansing agents-soaps and synthetic detergents, etc. Chapter 11: HALOALKANES AND HALOARENESClassification and nomenclature, Nature of C-X bond, by the addition of hydrogen halides and halogenes to alkenes-by halogenexchange, triiodomethane, tetrachloromethane, tetrac acids)ALCOHOLS, PHENOLS AND ETHERS: Alcohols, phenols and ethers -classification, Nomenclature: (a)Alcohols, (b)phenols and (c)ethers, Structures of hydroxy and ether functional groups, Methods of preparation, Cleavage of C-O bond and electrophilic substitution of aromatic ethers, etc. ALDEHYDES AND KETONES: Nomenclature and structure of carbonyl group, Preparation of aldehydes and ketones-(1) by oxidation of alcohol, etc.CARBOXYLIC ACIDS: Nomenclature and structure of carboxylic acids, etc.Chapter 13: ORGANIC COMPOUNDS CONTAINING NITROGENAMINES: Structure of amines, Classification, Nomenclature, Preparation of amines; reduction of nitro compounds, ammonolysis of alkyl halides, reduction of nitro compounds, ammonolysis of preparation of amines. diazonium salts (by diazotization), Physical properties, Chemical reactions: Reactions involving displacement of nitrogen, reactions involving displacement of nitrogen, reactions involving retention of the diazo group CYANIDES: Structure and nomenclature of cyanides and isocyanides, etc. Deleted Topics of AP Inter Chemistry Syllabus 2022-23Sr. no. TopicsSub-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1Solid-topics1 state(1.11) Electrical properties(1.12) Magnetic properties(3.7) Fuel cells(3.8) CorrosionChemical Kinetics(3.7) Fuel cells(3.8) CorrosionChemical reaction rates4Surface chemistry(4.2) Catalysis(4.5) Emulsions5General principles of metallurgyEntire chapter6P-Block elements Group is elements(6.4) Oxides of Nitrogen structures only. (6.6) Phosphorus allotropic forms(6.7) Preparation & Properties of & (6.9) Phosphorus allotropic forms(6.7) Sulphuric acid – Industrial process of manufactureGroup 16 elements7d and f block elements & (7.4) Some important Compounds of TransitionCo-ordination Compoundselements (Preparation & Properties of Kmno4 and K2Cr2O7)(7.5) Chemical reactivity of Lanthanoids(7.11) Isomerism in Co-ordination Compounds (7.15) Importance of Co-ordination Compounds8PolymersEntire chapter9Biomolecules(9.1) -(i) Sucrose, lactose, maltose importance (9.3) Enzymes(9.6) Hormones10Chemistry in Everyday lifeEntire Chapter11Haloalkanes and Haloarenes(11.6) Poly Halogen Compounds12Organic Compounds(9.1) -(i) Sucrose, lactose, maltose importance (9.3) Enzymes(9.6) Hormones10Chemistry in Everyday lifeEntire Chapter11Haloalkanes and Haloarenes(11.6) Poly Halogen Compounds(9.6) Hormones10Chemistry in Everyday lifeEntire Chapter11Haloalkanes and Haloarenes(11.6) Poly Halogen Compounds(9.6) Hormones10Chemistry in Everyday lifeEntire Chapter11Haloalkanes and Haloarenes(11.6) Poly Halogen Compounds(9.6) Hormones10Chemistry in Everyday lifeEntire Chapter11Haloalkanes and Haloarenes(11.6) Poly Halogen Compounds(9.6) Hormones10Chemistry in Everyday lifeEntire Chapter11Haloalkanes and Haloarenes(11.6) Poly Halogen Compounds(9.6) Hormones10Chemistry in Everyday lifeEntire Chapter11Haloalkanes and Haloarenes(11.6) Poly Halogen Compounds(9.6) Hormones10Chemistry in Everyday lifeEntire Chapter11Haloalkanes and Haloarenes(11.6) Poly Halogen Compounds(9.6) Hormones10Chemistry in Everyday lifeEntire Chapter11Haloalkanes and Haloarenes(11.6) Poly Halogen Compounds(9.6) Hormones10Chemistry in Everyday lifeEntire Chapter11Haloalkanes and Haloarenes(11.6) Poly Halogen Compounds(9.6) Hormones10Chemistry in Everyday lifeEntire Chapter11Haloalkanes and Haloarenes(11.6) Poly Halogen Compounds(9.6) Hormones10Chemistry in Everyday lifeEntire Chapter11Haloalkanes and Haloarenes(11.6) Poly Halogen Compounds(9.6) Hormones10Chemistry in Everyday lifeEntire Chapter11Haloalkanes and Haloarenes(11.6) Poly Halogen Compounds(9.6) Hormones10Chemistry in Everyday lifeEntire Chapter11Haloalkanes and Haloarenes(11.6) Poly Halogen Compounds(9.6) Hormones10Chemistry in Everyday lifeEntire Chapter11Haloalkanes and Haloarenes(11.6) Poly Halogen Compounds(9.6) Hormones10Chemistry in Everyday lifeEntire Chapter11Haloalkanes and Haloarenes(11.6) Poly Halogen Compounds(9.6) Hormones10Chemistry in Everyday lifeEntire Cha Commercially important alcohols130rganic Compounds Containing NitrogenAmines, Diazonium salts Cyanides and IsocynidesOlny Diazonium Salts Topic is DeletedAP Intermediate Botany syllabus in the table mentioned below. Study according to the AP intermediate time- table to plan the study time efficiently. Also, study important topics with the utmost concentration in order to score high. AP Inter Syllabus 2022-23 for BotanyUnitsChapter 1: Transport in PlantsMeans of Transport i NutritionMethods to Study the Mineral Requirements, Site of Photosynthesis, Pigments, Essential Mineral Elements, Metabolism of Nitrogen, etc. Chapter 4: Photosynthesis in Higher PlantsEarly Experiments, Site of Photosynthesis, Pigments Involved in Photosynthesis Factors affecting Photosynthesis, etc. Chapter 5: Respiration, Aerobic R Bacteria Morphology of Bacteria, Bacteria to Humans, etc. Chapter 8: VirusesMultiplication of Bacteria to Humans, etc. Chapter 8: VirusesMultiplication of Bacteria, Bacteria to Humans, etc. Chapter 9: Principles of Inheritance and VariationMendel's Experiments, Chromosomal Theory of Inheritance, Linkage and Recombination, Mutations, etc.UNIT IV: Molecular BiologyChapter 10: Molecular Basis of inheritanceThe DNA, Transcription, Translation, Regulation of Gene Expression, etc.UNIT V: BiotechnologyChapter 11: Principles and processes of Biotechnology, Processes of Recombinant DNA Technology, etc.Chapter 12: Biotechnology and its applicationsBiotechnological Applications In Agriculture, Transgenic plants, Biosafety and Ethical issues, etc.UNIT VI: Plants, Microbes and Human welfarePrimary treatment, Transgenic plants, Biosafety and Ethical issues, etc.UNIT VI: Plants, Microbes and Human WelfarePrimary treatment, Transgenic plants, Biosafety and Ethical issues, etc.UNIT VI: Plants, Microbes and Human WelfarePrimary treatment, Transgenic plants, Biosafety and Ethical issues, etc.UNIT VI: Plants, Microbes and Human WelfarePrimary treatment, Microbes and Human We Secondary treatment or Biological treatment, Microbes as Biofertilizers, Challenges posed by Microbes, etc.Deleted Topic of AP Inter Botany Syllabus 2022-23TopicsMineral nutrition – Total chapter deletedPlant growth & development6.1: Growth6.2: Differentiation, De- differentiation 6.3: Development6.5: Seed dormancy6.6: Photo- periodism6.7: VernalisationStrategies for enhancement on food production13.1.2: Plant breeding for disease resistance 13.1.3: Plant breeding for disease resistance 13.1.3: Plant breeding for disease resistance 13.1.3: Plant breeding for disease resistance 13.1.4: Plant breeding for disease resistance 13.1.3: Plant breeding for disease resistance 13.1.4: Plant breeding for disease syllabus for 12th. Know the important topics and make the study time table accordingly. Andhra Pradesh Board Syllabus 2022-23 for ZoologyUnitsImportant TopicsUNIT-I Human Anatomy and Physiology-IIHuman circulatory system - structure of human heart andblood vessels; Cardiac cycle, cardiac output, double circulation; regulation of cardiac activity, etc.UNIT III: Human Anatomy and Physiology-IIImyasthenia gravis, tetany, muscular dystrophy, arthritis, osteoporosis, gout, etc.UNIT IV: Human Anatomy and Physiology-IVDwarfism, acromegaly, cretinism, goitre, exophthalmicgoitre, diabetes, Addison's disease, Cushing's syndrome, etc.UNIT V: Human ReproductionFertilization, Embryo development up to blastocyst formation, implantation, etc.UNIT VI: GeneticsColour blindness; Mendeliandisorders in humans: Thalassemia, Haemophilia, Sickle celledanaemia, cystic fibrosis PKU, Alkaptonuria, etc.UNIT VII: Organic EvolutionHardy-Weinberg law; Types of Natural Selection; Gene flow and genetic drift; Variations (mutations and genetic drift; Variations), etc.UNIT VIII: Applied BiologyHuman insulin and vaccine production; Gene Therapy; Transgenic animals; ELISA; Vaccines, MABs, Cancer biology, stem cells, etc.Deleted Topics of AP Inter Zoology Syllabus 2022-23UnitsTopicsUnit -IHuman Anatomy and PhysiologyIII-A- Musculo Skeletal System3.2- The Skeleton3.3- Joints3.4- Disorders of Muscular and Skeletal System3.2- The Skeleton3.3- Joints3.4- Disorders of Muscular and Skeletal System3.2- The Skeleton3.3- Joints3.4- Disorders of Muscular and Skeletal System3.2- The Skeleton3.3- Joints3.4- Disorders of Muscular and Skeletal System3.2- The Skeleton3.3- Joints3.4- Disorders of Muscular and Skeletal System3.2- The Skeleton3.3- Joints3.4- Disorders of Muscular and Skeletal System3.2- The Skeleton3.3- Joints3.4- Disorders of Muscular and Skeletal System3.2- The Skeleton3.3- Joints3.4- Disorders of Muscular and Skeletal System3.2- The Skeletal System3.3- Joints3.4- Disorders of Muscular and Skeletal System3.2- The Skeletal System3.2- The Skeletal System3.3- Joints3.4- Disorders of Muscular and Skeletal System3.3- Joints3.4- Joints3.4- Disorders of Muscul Sensory Reception and Processing 3.8.1- The Eye 3.8.2- Mechanism of vision 3.8.3- The Ear (The stato- Aconstic Receptor) 3.8.4- Mechanism of Hearing only (Except disorders of Human Neural system) Unit-VIII 8.1. Animal Husbandry 8.2. Poultry Farm management 8.3. Bee Keeping 8.4. Fishery management Click here to download the AP Intermediate Civics syllabus 2021-22. AP Intermediate Syllabus 2021-22 - Commerce We have provided the detailed syllabus below. Deleted Topics of AP Inter Commerce Syllabus 2022-23Sl. NoLessonTopics1Home. Foreign TradeWhole sale Trade, Retail Trade2Business ServicesDistinction between services and goodsware housing transport3Financial MarketsCapital MarketsCapital MarketsConsumer rightsConsumer responsibilities Ways of Consumer Protection Legal Protection - Concept Consumer Protection - Significance of Consumer rightsConsumer rightsConsumer Protection - Significance of Consumer Responsibilities Ways of Consumer Protection - Significance of Consumer Responsibilities Ways of Consumer CHAPTERAlso, check AP Intermediate Syllabus 2022-23 - Economics Find the AP syllabus of Economics in the table given below and study after referring to the prescribed syllabus. Students should also solve AP intermediate question papers to know the trend of questions asked in the exam. 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