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Chapter 1 : UPSEE Mathematics Syllabus â€“ Winentrance

(UPTU/AKTU) UPSEE Syllabus Candidates should have a completed knowledge of the (UPTU/AKTU) UPSEE Syllabus in order to score well in the examination. To download (UPTU/AKTU) UPSEE Syllabus PDF for the respective paper and courses applicable click here.

Updated on - Apr 17th, Dimensional analysis and error estimation, dimensional compatibility and significant figures. Motion in one dimension: Average velocity, instantaneous velocity, one-dimensional motion with constant accelerations, freely falling bodies. Motion in two dimensions: Projectile motion, uniform circular motion, tangential and radial acceleration in curve-linear motion, relative motion and relative acceleration. Work, Power and Energy: Work was done by a constant and variable forces, kinetic and potential energy, power, Conservative and non-conservative forces, conservation of energy, gravitational energy, work-energy theorem, the potential energy stored in a spring. Rotation of a rigid body about a fixed axis: Angular velocity and angular acceleration, rotational kinematics, rotational motion with constant angular acceleration relationship between angular and linear quantities, rotational energy, the moment of inertia for a ring, rod, spherical shell, sphere and plane lamina, torque and angular acceleration, work and energy in rotational motion, rolling motion of a solid sphere and cylinder. Mechanics of solids and fluids: Magnetic Effect of Current: Ray Optics and optical instruments: Insulators and semiconductors on the basis of energy bands in solids, PN junction, PN Diode, junction Transistors, Transistor as an amplifier and Oscillator. Electrovalency, co-valency, hybridization involving s,p and d orbitals hydrogen bonding. Oxidation number, oxidizing and reducing agents, balancing of equations. Chemical Equilibrium and Kinetics: Electrode potential and electrochemical series. Types and preparation, Brownian movement, Tyndall effect, coagulation and peptization. Colligative Properties of Solution: Lowering of vapour pressure, Osmotic pressure, depression of freezing point, elevation of boiling point, determination of molecular weight. Preparation and Properties of the following: Nomenclature of simple organic compounds. Preparation and Properties Of the Followings: Hydrocarbons, monohydric alcohols, aldehydes, ketones, monocarboxylic acids, primary amines, benzene, nitrobenzene, aniline, phenol, benzaldehyde, benzoic acid, Grignard Reagent. Structure of simple ionic compounds, Crystal imperfections point defects only , Born-Haber cycle. Important industrial fractions, cracking, octane number, anti-knocking compounds. Definition, Dependent and independent events, the Numerical problem on addition and multiplication, the theorem of probability. Pair of straight lines, Circles, General equation of second degree, parabola, ellipse and hyperbola, tracing of comics. Differential equations of first order and of the first degree. Algebra of vectors, scalar and vector products of two and three vectors and their applications. Velocity, a composition of velocity, relative velocity, acceleration, the composition of accelerations, Motion under gravity, Projectiles, Laws of motion, Principles of conservation of momentum and energy, a direct impact of smooth bodies. Composition of coplanar, concurrent and parallel forces moments and couples resultant of set of coplanar forces and condition of equilibrium, determination of centroid in simple cases, Problems involving friction. Mechanism of Organic Evolution: Variations - Definition, causes and types, Mutations Principles of Hugo deliveries , Role of mutations in speciation. Evolution through ages and human evolution. Human Genetics and Eugenics: Human hereditary traits, a study of Twins, A. Wildlife of India - Endangered species: Reproductive system excluding embryonic development Osteology, structure and organization of different systems. Food, Balanced diet, Nutritional imbalances and deficiency diseases, Digestion, Absorption, Assimilation of food, comparison between human and Rabbit. B Animal Excretion and Osmoregulation: Chemical nature of excretory products in various animals, Physiology of excretion, Function of liver and kidney Homeostatic regulatory functions of kidneys , Formation of urine, Osmoregulation by kidneys. Exchange and transport of gases O2 and Co2 factors affecting O2 and Co2 transport, Cellular respiration, different lung volumes, breathing and sound production. Central, autonomic and peripheral nervous system, Receptors, Effectors, Reflexaction. Different endocrine glands and Hormones - definition, types, characteristics and their functions, in relation to human beings , Hormonal disorders and pheromones. Circulation of body fluids- Blood and lymph, Open and closed vascular systems, Structure and working

physiology of Heart, Comparison between arteries and veins, Lymphatic system. Detailed studies of followings: Hydra - Habit and Habitat, morphology, tissue differentiation in relation to the physiological division of labour and regeneration. Ascaris- morphology, life-cycle, therapy and control. Pheretima Posthuma - Bionomics and economic importance. Structure- external and internal. Comparison between Periplaneta and Blatta. Lysosomes, microsomes, endoplasmic reticulum, Nucleus, Golgi bodies, D. Cytoplasm, membranes and cell wall. Structure, components of ecosystem eg. Water-soluble minerals and gases, producers consumers, decomposers, Pond and forest ecosystem. Atmospheric pollution-causes and control, Types of pollution - Detergents, chemicals automobile exhaust, Radioactive matter, Smog, sound, Pesticides. Seeds in angiospermic plants: Dispersal of fruits and seeds. Cell differentiation Plant Tissue: Anatomy of Root, stem and leaf: Secondary growth of stem and root. Description of families - identification and economic importance Cruciferae, Malvaceae, Leguminosae, compositeae, cucurbitaceae. Absorption of water through root hairs osmosis, Translocation and Root pressure Nitrogen cycle. Special modes of nutrition in plants Autotrophic, heterotrophic, Parasites, saprophytes, Symbionts insectivorous and their ecological relationships. Chloroplast, light, chlorophyll and Carbon dioxide, Mechanism of photosynthesis formation of A. Water and its hardness, methods of treatment of hard water and soft water, the occurrence of compounds, properties and uses of the followings elements nitrogen, ammonia, nitric acid, carbon, carbon dioxide, phosphoric acid, sulphur dioxide, sulphuric acid, chlorine, hydrochloric acid. Occurrence properties, use and their functions in the plants of the following: Sodium, sodium chloride, sodium hydroxide, sodium carbonate, sodium bicarbonate, sodium phosphate, sodium nitrate, potassium sulphate, Calcium, calcium oxide, calcium carbonate, calcium sulphate and calcium nitrate, Iron, sulphate and iron phosphate, aluminium, aluminium sulphate and aluminium phosphate Nitrogen cycle, Fixation of nitrogen in the soil, the function of Super-phosphate and phosphorus in a plant, nitrogen fertilizers. Formation of organic compounds, physical properties, nomenclature, general knowledge of the following compounds, simple formulae, general properties and main uses, a Structural formula of the following: Hydrocarbon saturated and unsaturated alcohol ethylalchol and glycol, aldehyde and ketones, formaldehyde, acetone, amine and oxide, methyl and ethylamine, urea, Acids: Properties of different materials used in agricultural implements, Classification of plough their merits, comparison, common troubles in their operation and precautions, maintenance, assembly, cost and comparison of cultivation harrow, hoe, float, scraper and seed drill, the draft of implements. Their measurements, factors affecting the draft. Water lifts, their discharge, capacities, command area, and cost of irrigation water lifts should include common water lifts and low lift pumps. Tillage and ploughing, types of ploughing and their merits. Types and objects tillage. Chemical and Physical effects of tillage practices for different crops. Transmission of power through gears. Pulleys and belts, hand operated chaff cutters, cane crusher, winnowing fan, and splad threshers. Collection of data, classification and tabulation, frequency distribution, mean and their kinds, merits and demerits. Cultivation, practices of common crops of India and their varieties. Origin, classification and physical properties of soils, soil conservation. Nutrients for plants growth, uptake of N. FYM, compost, urinated soil, castor and groundnut cake, ammonium sulphate, sodium nitrate, suoer phosphate, potassium sulphate, urea, CAN ammonium chloride and mixtures. Methods, measurement and type of irrigation and drainage systems, Cultivation practices of common vegetable and fruit crops. Aesthetic sensitivity Aesthetic sensitivity Test is aimed to evaluate a candidate for aesthetic Perception, Imagination, and Observation; Creativity and Communication and Architectural awareness. Visualizing three-dimensional objects from two-dimensional drawings. Identifying commonly used materials and objects based on their textural qualities.

Chapter 2 : UPSEE Syllabus Pdf of all papers | latest AKTU/ UPTU syllabus

Dr. A.P.J. Abdul Kalam Technical University (APJAKTU) is affiliating in nature and its jurisdiction spans the entire state of U.P. in affiliating theinnatdunvilla.com, M.B.A., M.C.

Distinction between General and Technical communication; Language as a tool of communication; Levels of communication: Interpersonal, Organizational, Mass communications; The flow of Communication: Downward, Upward, Lateral of Horizontal Peer group: Importance of technical communication; Barriers to Communication. Active Listening, Passive Listening. Huxley Man and Nature by J. Accounting concepts, conventions and principles; Accounting Equation, International Accounting principles and standards; Matching of Indian Accounting Standards with International Accounting Standards. Various cash and non-cash transactions, flow of cash, preparation of Cash Flow Statement and its analysis. Introduction to digital computer, basic operations of computer, functional components of computer, Classification of computers. Introduction to operating system: Binary, octal and hexadecimal number systems, their mutual conversions, Binary arithmetic. Machine language, assembly language and high level language, concept of assembler, compiler, loader and linker. Character types, Integer, short, long, unsigned, single and double-precision floating point, storage classes, automatic, register, static and external, Operators and Expressions: Using numeric and relational operators, mixed operands and type conversion, Logical operators, Bit operations, Operator precedence and associatively. Unit 3 Conditional Program Execution: Applying if and switch statements, nesting if and else, restrictions on switch values, use of break and default with switch, Program Loops and Iteration: Uses of while, do and for loops, multiple loop variables, assignment operators, using break and continue, Modular Programming: Passing arguments by value, scope rules and global variables, separate compilation, and linkage, building your own modules. Array notation and representation, manipulating array elements, using multidimensional arrays, arrays of unknown or varying size, Unit 4 Arrays: Array notation and representation, manipulating array elements, using multi dimensional arrays. Structure, union, enumerated data types ,Functions:

Chapter 3 : UPSEE/UPTU Syllabus Download UPSEE/UPTU Syllabus | Engineering

UPSEE Syllabus Pdf Download. Here is the latest update on the UPTU Entrance Exam Syllabus and Exam Pattern for a written test that will be held on 29th April, 05th & 06th May

Being a written exam, it is conducted offline. According to exam pattern, there shall be a total of questions in the examination which shall be divided equally into 4 sections. These 4 sections are given below: The examination is conducted only in Hindi and English languages. As per the marking scheme, for every correct answer 4 marks are awarded. Secondly, there is no negative marking in the examination for any incorrect or un-attempted question. The Papers 1 â€" 3 shall consist of questions each. Additionally, 2 questions from Drawing Aptitude shall also be asked in the same Paper. Paper 5 â€" 8 shall consist of 75 questions each and Paper 9 â€" 11 shall consist of questions each. All questions in all Papers shall be objective type only, except the Drawing Aptitude Test in Paper â€" 4. The answers have to be marked in the OMR sheet, one out of the four given options. Depending on the course, the questions shall be asked from variable subjects. Paper wise details of Subjects, No. It will consist of questions from Physics, Chemistry and Mathematics. A total of questions, 50 from each subject. The maximum marks for questions shall be It will consist of questions from Physics, Chemistry and Biology. This is basically for the architecture students. It consists of an aptitude test with Mathematics and Aesthetic Sensitivity as subjects and a drawing aptitude test. Additionally, two drawing questions shall also be asked. The maximum marks for this paper is A total of 75 questions. The maximum marks for 75 questions shall be It is an aptitude test for B. Graduates in Engineering Lateral Entry. It is an aptitude test for MBA students. A total of questions. It is an aptitude test for MCA students. And the result will be declared in the last week of May along with the merit list. The cut off list is prepared on the basis of following factors. The total number of students appearing in the exam. The total number of students who qualified for the exam. Total marks scored by the candidates. The level of difficulty. The total number of seats available. For computer science, the closing rank is For mechanical the closing rank is For electrical the closing rank is For civil the closing rank is For electronics, the closing rank is For information technology, the closing rank is For chemical, the closing rank is Below mentioned are the steps to obtain the result after it is declared on the stipulated date: Visit the website â€" upsee. Keep the result in print for the counselling process. Tie Breaker The candidates with least incorrect answers are preferred. If two or more candidates score equal marks, then the age factor comes into play. The candidate with lower age shall be considered as merit. The syllabus for the exam to be held in the year has not been announced yet. Moreover, this year the syllabus is expected to be more or less similar to the previous year. Syllabus for all the papers shall be made available soon. For the Paper â€" 1 B. Tech , the syllabus is the study material of 11th and 12th standard of UP or any recognized equivalent board of education in India. Below mentioned are some points which shall compliment a student to score better in these examinations: Needless to say, planning and time management is the most important thing to keep up to during preparation for any examination. Prepare a strict, but practically possible time table plan dividing study hours wisely. In the end, do keep some time for revision every day. Get facilitated with previous years question papers. This would eventually help in building up your question bank. Make it a target to solve minimum one question paper daily after studying. For a quicker revision, develop habit of note making. Other than daily revision, make sure that a weekly revision is also done so that you do not forget what you studied in the near past. The counselling happens as mentioned below: The mode of payment shall be online i. The candidate needs to enter the preference of institution at every round of counselling as the numbers of seats vary. After selecting the institution, the candidate shall have to key in a few details on a separate portal developed by the institution body. Document Verification â€" On the date of counselling, the candidates need to carry all the required documents in original to their allotted centres for the verification process the list is given below in the next column. During this stage any discrepancy if found can lead to termination of the admission. Seat Allotment â€" The allotment of seats is done on merit basis and also on the basis of the choice of institution by the student in the beginning of the UPSEE Counselling Process Point 2 above. The result for the allotment of seat shall be announced separately for each round. Category 5

Others â€" Candidates who have given qualifying exam through an institution in UP but their parents do not have a UP domicile. The preference order is given below: Vertical Reservation The Vertical Reservation is carried out as mentioned below:

Chapter 4 : UPSEE Application Form UPTU Entrance Exam Notification Dates

UPTU Syllabus Check UPTU Syllabus for theinnatdunvilla.com, theinnatdunvilla.com, MBA, theinnatdunvilla.com Semester Wise here!! To appear in the exams conducted by Uttar Pradesh Technical University, you must need UPTU Semester Wise Syllabus PDF.

Updated on - Sep 24th, Dimensional analysis and error estimation, dimensional compatibility and significant figures. Motion in one dimension: Average velocity, instantaneous velocity, one-dimensional motion with constant accelerations, freely falling bodies. Motion in two dimensions: Projectile motion, uniform circular motion, tangential and radial acceleration in curve-linear motion, relative motion and relative acceleration. Work, Power and Energy: Work was done by a constant and variable forces, kinetic and potential energy, power, Conservative and non-conservative forces, conservation of energy, gravitational energy, work-energy theorem, the potential energy stored in a spring. Rotation of a rigid body about a fixed axis: Angular velocity and angular acceleration, rotational kinematics, rotational motion with constant angular acceleration relationship between angular and linear quantities, rotational energy, the moment of inertia for a ring, rod, spherical shell, sphere and plane lamina, torque and angular acceleration, work and energy in rotational motion, rolling motion of a solid sphere and cylinder. Mechanics of solids and fluids: Magnetic Effect of Current: Ray Optics and optical instruments: Insulators and semiconductors on the basis of energy bands in solids, PN junction, PN Diode, junction Transistors, Transistor as an amplifier and Oscillator. Electrovalency, co-valency, hybridization involving s,p and d orbitals hydrogen bonding. Oxidation number, oxidizing and reducing agents, balancing of equations. Chemical Equilibrium and Kinetics: Electrode potential and electrochemical series. Types and preparation, Brownian movement, Tyndall effect, coagulation and peptization. Colligative Properties of Solution: Lowering of vapour pressure, Osmotic pressure, depression of freezing point, elevation of boiling point, determination of molecular weight. Preparation and Properties of the following: Nomenclature of simple organic compounds. Preparation and Properties Of the Followings: Hydrocarbons, monohydric alcohols, aldehydes, ketones, monocarboxylic acids, primary amines, benzene, nitrobenzene, aniline, phenol, benzaldehyde, benzoic acid, Grignard Reagent. Structure of simple ionic compounds, Crystal imperfections point defects only , Born-Haber cycle. Important industrial fractions, cracking, octane number, anti-knocking compounds. Definition, Dependent and independent events, the Numerical problem on addition and multiplication, the theorem of probability. Pair of straight lines, Circles, General equation of second degree, parabola, ellipse and hyperbola, tracing of comics. Differential equations of first order and of the first degree. Algebra of vectors, scalar and vector products of two and three vectors and their applications. Velocity, a composition of velocity, relative velocity, acceleration, the composition of accelerations, Motion under gravity, Projectiles, Laws of motion, Principles of conservation of momentum and energy, a direct impact of smooth bodies. Composition of coplanar, concurrent and parallel forces moments and couples resultant of set of coplanar forces and condition of equilibrium, determination of centroid in simple cases, Problems involving friction. Mechanism of Organic Evolution: Variations - Definition, causes and types, Mutations Principles of Hugo deliveries , Role of mutations in speciation. Evolution through ages and human evolution. Human Genetics and Eugenics: Human hereditary traits, a study of Twins, A. Wildlife of India - Endangered species: Reproductive system excluding embryonic development Osteology, structure and organization of different systems. Food, Balanced diet, Nutritional imbalances and deficiency diseases, Digestion, Absorption, Assimilation of food, comparison between human and Rabbit. B Animal Excretion and Osmoregulation: Chemical nature of excretory products in various animals, Physiology of excretion, Function of liver and kidney Homeostatic regulatory functions of kidneys , Formation of urine, Osmoregulation by kidneys. Exchange and transport of gases O2 and Co2 factors affecting O2 and Co2 transport, Cellular respiration, different lung volumes, breathing and sound production. Central, autonomic and peripheral nervous system, Receptors, Effectors, Reflexaction. Different endocrine glands and Hormones - definition, types, characteristics and their functions, in relation to human beings , Hormonal disorders and pheromones. Circulation of body fluids- Blood and lymph, Open and closed vascular systems, Structure and working

physiology of Heart, Comparison between arteries and veins, Lymphatic system. Detailed studies of followings: Hydra - Habit and Habitat, morphology, tissue differentiation in relation to the physiological division of labour and regeneration. Ascaris- morphology, life-cycle, therapy and control. Pheretima Posthuma - Bionomics and economic importance. Structure- external and internal. Comparison between Periplaneta and Blatta. Lysosomes, microsomes, endoplasmic reticulum, Nucleus, Golgi bodies, D. Cytoplasm, membranes and cell wall. Structure, components of ecosystem eg. Water-soluble minerals and gases, producers consumers, decomposers, Pond and forest ecosystem. Atmospheric pollution-causes and control, Types of pollution - Detergents, chemicals automobile exhaust, Radioactive matter, Smog, sound, Pesticides. Seeds in angiospermic plants: Dispersal of fruits and seeds. Cell differentiation Plant Tissue: Anatomy of Root, stem and leaf: Secondary growth of stem and root. Description of families - identification and economic importance Cruciferae, Malvaceae, Leguminosae, compositeae, cucurbitaceae. Absorption of water through root hairs osmosis, Translocation and Root pressure Nitrogen cycle. Special modes of nutrition in plants Autotrophic, heterotrophic, Parasites, saprophytes, Symbionts insectivorous and their ecological relationships. Chloroplast, light, chlorophyll and Carbon dioxide, Mechanism of photosynthesis formation of A. Water and its hardness, methods of treatment of hard water and soft water, the occurrence of compounds, properties and uses of the followings elements nitrogen, ammonia, nitric acid, carbon, carbon dioxide, phosphoric acid, sulphur dioxide, sulphuric acid, chlorine, hydrochloric acid. Occurrence properties, use and their functions in the plants of the following: Sodium, sodium chloride, sodium hydroxide, sodium carbonate, sodium bicarbonate, sodium phosphate, sodium nitrate, potassium sulphate, Calcium, calcium oxide, calcium carbonate, calcium sulphate and calcium nitrate, Iron, sulphate and iron phosphate, aluminium, aluminium sulphate and aluminium phosphate Nitrogen cycle, Fixation of nitrogen in the soil, the function of Super-phosphate and phosphorus in a plant, nitrogen fertilizers. Formation of organic compounds, physical properties, nomenclature, general knowledge of the following compounds, simple formulae, general properties and main uses, a Structural formula of the following: Hydrocarbon saturated and unsaturated alcohol ethylalchol and glycol, aldehyde and ketones, formaldehyde, acetone, amine and oxide, methyl and ethylamine, urea, Acids: Properties of different materials used in agricultural implements, Classification of plough their merits, comparison, common troubles in their operation and precautions, maintenance, assembly, cost and comparison of cultivation harrow, hoe, float, scraper and seed drill, the draft of implements. Their measurements, factors affecting the draft. Water lifts, their discharge, capacities, command area, and cost of irrigation water lifts should include common water lifts and low lift pumps. Tillage and ploughing, types of ploughing and their merits. Types and objects tillage. Chemical and Physical effects of tillage practices for different crops. Transmission of power through gears. Pulleys and belts, hand operated chaff cutters, cane crusher, winnowing fan, and splad threshers. Collection of data, classification and tabulation, frequency distribution, mean and their kinds, merits and demerits. Cultivation, practices of common crops of India and their varieties. Origin, classification and physical properties of soils, soil conservation. Nutrients for plants growth, uptake of N. FYM, compost, urinated soil, castor and groundnut cake, ammonium sulphate, sodium nitrate, suoer phosphate, potassium sulphate, urea, CAN ammonium chloride and mixtures. Methods, measurement and type of irrigation and drainage systems, Cultivation practices of common vegetable and fruit crops. Aesthetic sensitivity Aesthetic sensitivity Test is aimed to evaluate a candidate for aesthetic Perception, Imagination, and Observation; Creativity and Communication and Architectural awareness. Visualizing three-dimensional objects from two-dimensional drawings. Identifying commonly used materials and objects based on their textural qualities.

Chapter 5 : UPSEE Syllabus | UP State Entrance Exam PDF Syllabus, Exam Topics

In this article students can find the latest syllabus of Chemistry for UPSEE/UPTU Examination This syllabus will help you to know the domain of your study for the examination.

Drug Store and Business management Matrix Algebra, Systems of linear equations, Eigen values and Eigen vectors. Mean value theorems, Theorems of integral calculus, Evaluation of definite and improper integrals, Partial Derivatives, Maxima and minima, multiple integrals, Fourier series. Sampling theorems, Conditional probability, Mean, median, mode and standard deviation, Random variables, Discrete and continuous distributions, Poisson, Normal and Binomial distribution, Correlation and regression analysis. Laplace transform, Laplace transform of derivatives and integrals, Inverse Laplace transform, Laplace transform of periodic functions, Convolution theorem, Application to solve simple linear and simultaneous differential equations. Fourier integral, Fourier complex transform, Fourier sine and cosine transforms and applications to simple heat transfer equations. Z â€" transform and its application to solve difference equations. The following is a brief description of contents of the test paper. Section A English Language: Section B Numerical Aptitude: Numerical calculation, arithmetic, simple algebra, geometry and trigonometry, Interpretation of graphs, charts and tables. Section C Thinking and Decision Making: Section D General Awareness: Surds, solution of simultaneous and quadratic equations, arithmetic, geometric and harmonic progression, Binomial theorem for any index, logarithms, exponential and logarithmic series, determinants. Definition, dependent and independent events, numerical problems on addition and multiplication of probability, theorems of probability. Co-ordinate geometry of the straight lines, pair of straight lines, circle, parabola, ellipse and hyperbola and their properties. Differentiation of function of functions, tangents and normal, simple examples of maxima of minima, limits of function, integration of function by parts, by substitution and by partial fraction , definite integral application to volumes and surfaces of frustums of sphere, cone and cylinder. Position vector, addition and subtraction of vectors, scalar and vector products and their applications. Velocity, composition of velocity, relative velocity, acceleration, composition of acceleration, motion under gravity, projectiles, laws of motions, principles of conservation of momentum and energy, direct impact of smooth bodies, pulleys. Composition of co-planar, concurrent and parallel forces, moments and couples, resultant of set of coplanar forces and conditions of equilibrium, determination of Centroides in simple case, problems involving friction. Section C Mental Ability: Algebraic structures and general properties, semi groups, groups. Matrices, operation on matrices, Inverse and rank of a matrix, Eigen values, eigenvectors and system of linear equations. Introduction, sets and cardinals, combination of sets, multisets and set identities. Relations â€" definition, operations on relations, composite relations, properties of relations, partial order relations. Functions â€" definition, classification of functions, operations on functions, recursively defined functions. Number Theory and Methods of Proof: Natural numbers, factorization and prime numbers, floor and ceiling functions. Methods of proof â€" Introduction, direct and indirect methods of proof, mathematical Induction. Introduction, counting techniques, Pigeonhole principle. Probability â€"definition, sample space, algebra of events, axioms of probability, prior and posterior probability, Bayes theorem. Computer organization â€" evaluation of computers, computer arithmetic, control design, processor design, input output organization, memory organization. Data Structures â€" Arrays, lists, stacks, queues. Trees and graphs â€" definition, properties and applications. Proposition logic and Boolean Algebra: Propositions, truth tables, tautology, contradiction, algebra of propositions. Binary systems, axioms and theorems of Boolean algebra, Boolean functions and digital circuits. Floating point Arithmetic, solution of the system of linear equations, roots of polynomials, interpolation and curve fitting. Finite-state machines, regular and non-regular languages, Turing machines and applications.

Chapter 6 : AKTU Syllabus MBA, MCA theinnatdunvilla.com (1st, 2nd, 3rd Year) Download

UPTU Exam Pattern. The entrance exam will be held for total 11 papers. The examination mode for Paper-1, Paper-2,

Paper-3, and Paper-4 will be OMR based and for the remaining 7 papers, the examination will be conducted in online mode (CBT).

Chapter 7 : UPSEE Answer Key, Results, Counselling, Merit List

UPTU Counselling (Spot Round) is started from 1st August Dr A.P.J. Abdul Kalam Technical University (AKTU) administers Uttar Pradesh State Entrance Examination (UPSEE) for granting admission to UG and PG courses.

Chapter 8 : Welcome to UPSEE

UPSEE Syllabus. UPSEE/AKTU Syllabus will be announced by Dr. A.P.J. Abdul Kalam Technical University (AKTU). Before appearing in the examination, candidates must know about the entire syllabus of the examination.

Chapter 9 : UPTU/UPSEE Application Form, Exam Dates, Syllabus, Notification

Now, UPSEE will be conducted on April 21, for admissions to theinnatdunvilla.com Arch. Read here complete details about UPSEE/UPTU including important dates, eligibility and application process.