

GANGA TECHNICAL CAMPUS

School of Engineering & Technology | School of Diploma Engineering

SYLLABUS

ONLINE ADMISSION CUM SCHOLARSHIP TEST

1) B.Tech

ENGLISH (Marks-10)

Pronouns, conjunctions, determiners, tenses, question framing, comprehension, nouns, adjectives, articles, prepositions, synonyms, antonyms, one word substitution, words often confused, common errors, Prefix, Suffix

Maths (Marks 10)

Sets and Functions, Algebra, Co-ordinate Geometry, Calculus, Mathematical Reasoning, Statistics and Probability, Relations and functions, Vectors

Physics (Marks 10)

Kinematics, Laws of motion, work, Power and energy, Gravitation, Properties of matter, Thermodynamics, Waves and oscillation, Electrostatics, Magnetostatics, Optics, Electronic devices

Chemistry (Marks 5)

Structure of atom, Chemical bonding and molecular structure, States of Matter: Gases and Liquids, Thermodynamics, Equilibrium, Organic Chemistry – Some Basic Principles and Techniques, Hydrocarbons, Environmental Chemistry, Solid State, Solutions, Electrochemistry, Chemical Kinetics, Surface Chemistry, General Principles and Processes of Isolation of Elements, p-Block Elements, Coordination Compounds, Alcohols, Phenols and Ethers, Organic Compounds Containing Nitrogen, Polymers, Biomolecules

General Computer (Marks 5)

General Knowledge (Marks 5)

Reasoning (Marks 5)

Verbal, Non-verbal

2). BBA/BCA/B.Voc

English(Marks 15)

Pronouns, conjunctions, determiners, tenses, question framing, comprehension, nouns, adjectives, articles, prepositions, synonyms, antonyms, one word substitution, words often confused, common errors

General Maths (Marks 15)

Calculus, Vector and 3 dimensional geometry, Algebra, Coordinate geometry, Trigonometry

Basic Computers (Marks 10)

Fundamental of Computer, Operating System, Internet, Computer Network.

General Awareness (Marks 10)

Current Affairs, sports, Indian History, Culture, Economy, Important Dates

3). Diploma

General English (Marks 15)

Pronouns, conjunctions, determiners, tenses, question framing, comprehension, nouns, adjectives, articles, prepositions, Verbs, modal, synonyms, antonyms, Prefix, Suffix

General Maths (Marks 15)

Number system, Algebra, Geometry, Trigonometry, Statics, Probability, Mensuration

General Science (Marks 20)

Chemical substances, World of living, Natural phenomena, Effect of current, natural Resources, Matter, Motion, Work, Force, food, Food production.

4). MBA

Section A: Language Comprehension

Language Comprehension section includes 10 Multiple Choice Questions from topics: Verb, Noun, Pronoun, Adjective, Adverb, Speech, Para Jumble, Sentence making and correction, Antonyms, Synonyms, One word substitution, Idioms/Phrases, Reading Comprehension, Vocabulary, Grammar, Fill in the blanks, Para Jumble.

Section B: Data Analysis & Sufficiency

Data Analysis 10 objective type questions, few important topics included in the syllabus includes Topics included are: G.P, A.P, Geometry, Statistics, and Accountancy, Time-Speed-Distance, Ratios and Proportion, HCF & LCM.

Section C: Mathematics

Sufficiency and Mathematics section contains 10 objective type questions. Topics included are: In-equations Quadratic and linear equations, Averages, Number system, Algebra, Geometric Progression, Partnership (Accounts), Geometry including Lines, angles, Triangles, Spheres, Rectangles, Cube, & Cones, Work and time, Profit & Loss, Percentages.

Section D: Intelligence and Critical Reasoning

Intelligence and Critical Reasoning section contain 10 questions. The section will test the analytical and cognitive skills of the test takers. Topics include: Family tree, Course of Action, Arrangement, Pie Chart, Calendars, Statement Conclusions, Strong Arguments and Weak Arguments, Puzzles, Series, Blood Relations, Coding & Decoding, Column graphs, Multi-dimensional arrangements, Visual reasoning, Numeric grid, Critical Reasoning, Syllogisms, Graphs representing Area

Section E: Indian & Global Environment Section

The Indian and Global environment section carries 10 MCQs based on topics related to General Knowledge, Current Affairs, and other trending topics of business, economy, sports, science, etc. Topics include: Current affairs, Top officials of big companies, Punch line of companies, Important Quotations, Sports, Science, World Records, Famous awards and Prizes, History, Social issues, Finance, Entertainment, Business, Books and Authors, International Organization, Geography, Major Corporate news, Politics.