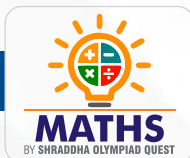


MATHEMATICS



TOTAL NO. OF QUESTIONS - 50 **TOTAL MARKS - 100**

SECTION - I ALGEBRA & ARITHMETICS

NO. OF QUESTIONS : 25 MARKS / QUESTION : 2 TOTAL MARKS : 50

Syllabus : Rational & Irrational Numbers, Linear Equations In One Variables, Square & Square Roots, Indices & Cube Root / Exponents & Power, Expansion Formulae, Factorisation Of Algebraic Expressions & Their Identities, Division Of Polynomials, Direct & Inverse Proportion, Data Handling / Statistics, Comparing Quantities : Discount & Commissions, Compound Interest, Playing With Numbers

SECTION - II GEOMETRY

NO. OF QUESTIONS : 15 MARKS / QUESTION : 2 TOTAL MARKS : 30

Syllabus : Parallel Lines, Understanding Quadrilaterals, Congruence of Triangle, Surface Area & Volume, 3D Shapes, Mensuration, Triangle: Altitudes & Medians, Circle: Chords & Areas, Introduction to Graphs

SECTION - III ACHIEVER'S SECTION

NO. OF QUESTIONS : 10 MARKS / QUESTION : 2 TOTAL MARKS : 20

Syllabus : Higher Order Thinking Questions -
Syllabus As Per Section - I & II

MAT



TOTAL NO. OF QUESTIONS - 50 **TOTAL MARKS - 100**

SECTION - I VERBAL

NO. OF QUESTIONS : 20 MARKS / QUESTION : 2 TOTAL MARKS : 40

Syllabus : Alpha Numeric Sequence Puzzle, Coding-decoding, Series Completion & Insertion, Analogy & Classification, Direction Sense Test, Blood Relations, Mathematical Operations, Logical Venn Diagram

SECTION - II NON-VERBAL

NO. OF QUESTIONS : 20 MARKS / QUESTION : 2 TOTAL MARKS : 40

Syllabus : Analogy & Classification, Figure Matrix, Mirror & Water Images, Embedded Figures, Figure Formation, Analytical Reasoning, Cubes & Dice, Dot Situation, Paper Folding & Paper Cutting

SECTION - III ACHIEVER'S SECTION

NO. OF QUESTIONS : 10 MARKS / QUESTION : 2 TOTAL MARKS : 20

Syllabus : Higher Order Thinking Questions -
Syllabus As Per Section-I & II

SCIENCE



TOTAL NO. OF QUESTIONS - 50 **TOTAL MARKS - 100**

SECTION - I PHYSICS & CHEMISTRY

NO. OF QUESTIONS : 25 MARKS / QUESTION : 2 TOTAL MARKS : 50

Syllabus : Measurement & Motion, Force & Pressure, Friction, Current, Electricity & Magnetism, Chemical & Magnetic Effects of Electric Current, Measurement & Effects of Heat, Sound, Reflection of Light, Stars & Solar System, Some Natural Phenomenon, Man-made Materials, Inside The Atom, Chemical Changes & Chemical Bond, Composition of Matter, Matter : Elements, Compound & Mixtures, Introduction To Acid & Base, Metals & Non Metals, Coal & Petroleum, Combustion & Flame

SECTION - II BIOLOGY

NO. OF QUESTIONS : 15 MARKS / QUESTION : 2 TOTAL MARKS : 30

Syllabus : Living World & Classification of Microbes, Health & Diseases, Microorganisms: Friend & Foe, Pollution of Air & Water, Disaster Management, Cell: Structure & Functions, Human Body & Organ System, Reproduction In Animals, Reaching The Age of Adolescence, Crop Production & Management, Conservation of Plants & Animals, Ecosystem

SECTION - III ACHIEVER'S SECTION

NO. OF QUESTIONS : 10 MARKS / QUESTION : 2 TOTAL MARKS : 20

Syllabus : Higher Order Thinking Questions-Syllabus As Per Section - I & II

ENGLISH



TOTAL NO. OF QUESTIONS - 50 **TOTAL MARKS - 100**

SECTION - I VOCABULARY & GRAMMAR

NO. OF QUESTIONS : 20 MARKS / QUESTION : 2 TOTAL MARKS : 40

Syllabus : Compound Word, Word Chain, Word Register, Homophones & Homographs, Sentence & It's Kind, Parts of Speech, Tenses, Subject Verb Agreement, Change The Voice, Direct & Indirect, Question Tags, Phrases, Clauses & Conditionals, Prefix & Suffix, Degree of Comparison, Transformation of Sentences, Modals, Determiners, Infinitives, Gerunds & Participle

SECTION - II READING COMPREHENSION

NO. OF QUESTIONS : 20 MARKS / QUESTION : 2 TOTAL MARKS : 40

Syllabus : Passages, Summary, Punctuations, Spoken & Written Expression

SECTION - III ACHIEVER'S SECTION

NO. OF QUESTIONS : 10 MARKS / QUESTION : 2 TOTAL MARKS : 20

Syllabus : Higher Order Thinking Questions-Syllabus As Per Section - I & II