APPENDIX III

TOPICS COVERED IN CLASS IX: MATHEMATICS

Total Questions-50 **Max Marks–200**

S.No	Topics	S.No	Topics
1	Rational Numbers	16	Average, Median, Mode
2	Linear Equations in One Variable	17	Probability
3	Understanding Quadrilaterals	18	Pie Chart
4	Data Handling (Bar Graph and Line Graph)	19	Direct & Inverse Proportions
5	Squares and Square Roots	20	Factorizations
6	Cubes and Cube Roots	21	Introduction to Graph
7	Comparing Quantities (Percentage, Profit and Loss)	22	Unitary Method
8	Algebraic Expressions and Identities	23	Divisibility Exam
9	Area and Perimeters	24	Triangles (Angle Sum Property)
10	Volumes and Surface Areas	25	Parallel Lines
11	Exponents and Powers	26	Simple Interestand Compound Interest
12	Playing with Numbers	27	Time and Work
13	Visualizing Solid Shapes	28	Area and Perimeter of Circles
14	Triangles (Pythagoras Theorem)	29	Algebraic Expression (Addition, Subtraction, Multiplication, Division)
15	Euler’s Formula		

TOPICS COVERED IN CLASS IX: INTELLIGENCE

Total Question– 25 **Max Marks–50**

Questions on Intelligence will be based on analogies (mathematical & verbal), pattern (spatial and mathematical), classification, visual, logical, reasoning etc.

TOPICS COVERED IN CLASS IX: ENGLISH

Total Question– 25 **Max Marks –50**

S No	Topics	S No	Topics
1	Spotting Errors	17	Sentence Improvement
2	Comprehension Passage	18	Change of sentence as directed
3	Antonyms	19	Sentence Formation
4	Synonyms	20	Types of Sentences
5	Prepositions	21	Phrase and Clauses
6	Articles	22	Kinds of Noun
7	Types of Verbs	23	Adjectives
8	Tense Form	24	Interjection
9	Narration	25	Question Tags
10	Voices	26	Adverbs
11	Modals	27	Conjunctions
12	Confusing Words	28	Conditions
13	Subject-Verb Agreement	29	Comparison of Adjectives
14	Correct Spellings	30	Personal Pronoun
15	Order of words in a sentence	31	Change of Gender
16	Idioms and Phrases	32	Change of Number

TOPICS COVERED IN CLASS IX: GENERAL SCIENCE

Total Question– 25 **Max Marks–50**

S No	Topics	S No	Topics
1	Fossil Fuel: Coal and Petroleum	14	Micro-Organisms
2	Combustion and Flame	15	Some Natural Phenomenon
3	Cell Structure and Function	16	How to find calorific value of fuel?
4	Reproduction in Plants And Animals	17	Electroplating and Artificial Jewellery
5	Force, Friction and Pressure	18	Relation between types of friction.
6	Sound and its basics	19	Cropping Seasons
7	Reflection and Dispersion of Light	20	Agricultural Practices
8	Metals and Non Metals	21	Conservation of Plants And Animals
9	Synthetic Fibres and Plastics	22	Biosphere Reserves, National Parks and Sanctuaries
10	Chemical Effects of Electric Current	23	Reaching the age of Adolescence
11	Stars and Solar Systems	24	Changes during Puberty
12	Pollution of Air and Water	25	Endocrine Glands and Hormones
13	Global Warming		

TOPICS COVERED IN CLASS IX: SOCIAL SCIENCE

Total Question– 25 **Max Marks–50**

S No	Topics	S No	Topics
1	Revolt of 1857	20	Interior of Earth
2	Freedom Fighters	21	Climate Change
3	Important Freedom Movements	22	Earthquakes and Major Land Forms
4	Social and Caste Reforms	23	Types of Rainfall
5	Resources and sustainable development	24	Major Grasslands
6	Rock cycle of water cycle	25	Types of Forests
7	Pressure and Wind System	26	Means of Transport
8	Land Soil and Water Resources	27	Communication
9	Minerals and Power Resources	28	Life in deserts
10	Indian Constitution and Secularism	29	Panchayat System
11	Importance of Parliament	30	Local Self Government
12	Types of Agriculture	31	Law and Social Justice.
13	Types of Government and Differenttiers of Government	32	Judiciary and Criminal Justice System
14	Understanding Markets	33	Marginalisation
15	Elections	34	Public Facilities
16	Role of Governmentin Health	35	Natural Vegetation and Wildlife
17	Delhi Sultanate	36	Industries
18	Mughals	37	Human Resources
19	Bhakti and Sufi Movement	38	Changes in the Arts