

Entrance Exam Syllabus – New Admission (2020 – 2021)

Class	<u>English</u>	<u>Mathematics</u>	<u>Science</u>
V	<ol style="list-style-type: none"> 1. Reading Comprehension 2. Writing – Paragraph Writing 3. Grammar <ul style="list-style-type: none"> • Subject and Predicate, Nouns, Simple Tense (Present, Past, Future), Subject – Verb Agreement, Articles 	<ol style="list-style-type: none"> 1. A Trip to Bhopal 2. Long and Short 3. The Junk Seller 4. Halves and Quarters 5. Tables and Shares 6. Fields and Fences. 	<ol style="list-style-type: none"> 1. Our body 2. Sources of food 3. Water for living 4. Celebrations 5. Conservation of Environment 6. Natural Phenomena
VI	<ol style="list-style-type: none"> 1. Reading Comprehension 2. Grammar <ul style="list-style-type: none"> • Adjectives, Adverbs, Question Tags, Tenses, Reported Speech, Prepositions, Conjunctions 3. Writing – Letter Writing 	<ol style="list-style-type: none"> 1. Be My Multiple and I'll be your Factor 2. Parts and Whole 3. Area and its Boundary 4. Tenths and Hundredths 5. How Big, How Heavy? 	<ol style="list-style-type: none"> 1. Bones and Muscles 2. Food for Plants and Animals 3. Food Production 4. Food and Digestion 5. Water 6. Life in Water 7. Locating Places 8. Soil 9. Agriculture 10. Senses in Animals 11. Weather and Seasons 12. Nutrition and Health 13. Safety and First Aid 14. Our Heritage 15. India: Physical and Political 16. The Pride of India 17. Resources : Forests and Wildlife 18. Fuel for travel 19. Natural Disasters
VII	<ol style="list-style-type: none"> 1. Reading Comprehension 2. Grammar <ul style="list-style-type: none"> • Tenses, Prepositions, Active & Passive Voice, Direct and Indirect Speech, To rearrange words to form meaningful sentences 3. Writing - Essay Writing 	<ol style="list-style-type: none"> 1. Integers 2. Playing with numbers 3. Decimals 4. Fractions 5. Algebra 6. Whole Numbers 7. Ratio and Proportion 8. Mensuration 	<ol style="list-style-type: none"> 1. Getting to know plants 2. Fun with magnets 3. Light, shadows and reflection 4. Motion and measurement of distances 5. Electricity and Current 6. Components of food

VIII	<ol style="list-style-type: none"> 1. Reading Comprehension 2. Writing – Letter Writing (Informal and Formal) Article Writing 3. Grammar <ul style="list-style-type: none"> • Tenses, Conjunctions, Prepositions, Reported Speech, Voices, Rearranging, Integrated Grammar, Subject Verb Agreement 	<ol style="list-style-type: none"> 1. Rational Numbers 2. Simple Equations 3. Algebraic Expressions 4. Perimeter and Area 5. Exponents and Powers 	<ol style="list-style-type: none"> 1. Nutrition in Plants 2. Nutrition in Animals 3. Fibre to Fabric 4. Heat 5. Acids, Bases and Salts 6. Physical and Chemical Changes 7. Weather, Climate and Adaptations of Animals to Climate 8. Winds, Storms and Cyclones 9. Soil 10. Respiration in Organisms 11. Transportation in Animals and Plants 12. Reproduction in Plants
IX	<ol style="list-style-type: none"> 1. Reading Comprehension 2. Writing – Article, Letter 3. Grammar <ul style="list-style-type: none"> • Tenses, Active – Passive Voices, Reported Speech, Determiners, Prepositions, Modals, Subject –Verb concord 	<ol style="list-style-type: none"> 1. Rational Numbers 2. Algebraic Expressions 3. Factorization 4. Square root 5. Mensuration 6. Linear Equations 	<ol style="list-style-type: none"> 1. Synthetic Fibres and plastics 2. Materials : Materials and Non-Materials 3. Coal and Petroleum 4. Combustion and Flame 5. Force and Pressure 6. Friction 7. Sound 8. Chemical Effect of Electric Current 9. Some Natural Phenomena 10. Light 11. Stars and the Solar System 12. Pollution of Air and Water
X	<ol style="list-style-type: none"> 1. Reading Comprehension 2. Writing – Story, Letter 3. Grammar <ul style="list-style-type: none"> • Articles, Determiners, Tenses, Reported Speech, Prepositions, Modals, Subject Verb concord 	<ol style="list-style-type: none"> 1. Number System. 2. Polynomials 3. Linear equation in two variables 4. Statistics 5. Surface area and volume 6. Probability 	<p><u>Physics:</u></p> <ul style="list-style-type: none"> • Motion • Force and Laws of motion • Work and Energy • Sound <p><u>Chemistry:</u></p> <ul style="list-style-type: none"> • Atoms and molecules • Structure of Atom <p><u>Biology:</u></p> <ul style="list-style-type: none"> • The fundamental unit of life • Tissues • Why do we fall ill?

XI	<ol style="list-style-type: none"> 1. Reading Passage 2. Integrated Grammar 3. Writing – Letter Writing, Article Writing 	<p><u>Commerce stream</u></p> <ol style="list-style-type: none"> 1. Simple Interest and Compound Interest 2. Increment and Depreciation 3. Mean, Median and Mode. <p><u>Science Stream</u></p> <ol style="list-style-type: none"> 1. Probability 2. Trigonometry 3. Real Numbers 4. Quadratic Equations 5. Co-ordinate Geometry 6. Statistics 7. Arithmetic Progression(AP) 8. Surface Area and Volumes 9. Polynomials 	<p><u>Physics</u></p> <ul style="list-style-type: none"> • Channel Reactions & equations • Acid Bases & Salts • Metals & Non metals • Periodic classification of elements • Reflection Of Light • Human Eye & colorful world • Our Environment <p><u>Chemistry</u></p> <ul style="list-style-type: none"> • Chemical reactions & Equations • Metals and Non metals • Carbon and its compounds <p><u>Biology</u></p> <ul style="list-style-type: none"> • Heredity and Evolution • Life Processes • Control and coordination • How do organisms reproduce?
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