



Royal Public School

Adalhat, Shakti Nagar Highway-231302
Syllabus for Entrance test 2009-10

Class:III	Time: 1 hour
English:	<ul style="list-style-type: none"> • A composition on a given topic in 10 sentences. • Fill in the blanks with missing articles (a, an, the). • Usage of words in sentences.
Maths:	<ul style="list-style-type: none"> • Number names upto 1000. • Addition of 2 digit numbers with and without carrying. • Subtraction of 2 digit numbers with and without borrowing. • Multiplication of 2 digit numbers with and without carrying. • Knowledge of multiplication tables till 10.
Environmental Science(Objective Type) :	Which will include the following topics: <ul style="list-style-type: none"> • Human body and its parts • Seasons, domestic and wild animals.
Class:IV	Time: : 1 hr. 30 min.
English:	<ul style="list-style-type: none"> • Composition on a given topic in atleast 10 sentences.
Hindi :	<ul style="list-style-type: none"> • Letters, Gunithalu, Othulu (Telugu) • Names of birds, animals, flowers, fruits • Usage of words in sentences
Maths:	<ul style="list-style-type: none"> • Number names upto 10,000 • Addition of 3 digit numbers with and without carrying. • Subtraction of 3 digit numbers with and without borrowing. • Multiplication of 3 digit numbers with and without carrying. • Division of 3 digits with and without remainder • Multiplication tables up to 12.
Environmental Science: (Objectivetype):	Will include the following topics: <ul style="list-style-type: none"> • Plants and animals (difference between the two) • Parts of a plant and their functions • Animal life: feeding habits. • Planets • Human body system, organs and their functions.

Class:V	TIME : 1 hr. 30 min.
English:	<ul style="list-style-type: none"> • Composition on a given topic in 100 to 150 words.
Hindi :	<ul style="list-style-type: none"> • A few sentences on a given topic • A short comprehension. • One Sathaka Padyam by the following will be asked [Telugu]: (a) Vemana Sathaka Padyam (b) Sumathi Sathaka Padyam
Maths:	<ul style="list-style-type: none"> • Number names in Indian and International system up to 12 digit numbers • Problems involving addition and subtraction of 5 digits. • Division of 5 digit numbers. • Line, Ray, Point, Square, Rectangle • Multiplication tables up to 15
Environmental Science: (Objective type of paper):	<ul style="list-style-type: none"> • Plant life - photosynthesis • Force, Work and Energy • Matter and materials - solids liquids and gases • Weather - land breeze, sea breeze, condensation and evaporation. • Human body parts its functions and various diseases

Class:VI	Time: 2hrs
English:	<ul style="list-style-type: none"> • A comprehension passage. • Letter writing
Hindi :	<ul style="list-style-type: none"> • Composition on a given topic • Comprehension • Write any Sathaka Padyam by any one of the following (Telugu) : (a) Vemana Sathaka Padyam (b) Sumathi Sathaka Padyam
Maths:	<ul style="list-style-type: none"> • LCM • HCF • Multiplication and division of fractional Numbers • Types of angles, • Roman Numerals • Operation on Whole Numbers.
Environmental Science: (Objective type of paper):	<ul style="list-style-type: none"> • Our Universe, Motion and Force, • MKS system, CGS system, FPS and SI system and their conversion of units • Types of energies • States of matter, Properties of matter, Separation of substances, Air, Water. • Photosynthesis • Respiratory and Digestive system, • Short And Root system • Plants and their parts.

Class:VII	Time: 2hrs
English:	<ul style="list-style-type: none"> • Comprehension. • Letter Writing – informal letter
Hindi :	<ul style="list-style-type: none"> • Composition on a given topic • Comprehension
Maths:	<ul style="list-style-type: none"> • Algebra – addition, subtraction and multiplication • Geometry : Angles and Classification of triangles • Decimals and Integers • Fractions – Addition and Subtraction of unlike Fractions. [Word Problems included]
Science:	<ul style="list-style-type: none"> • Human body – different systems, Flowers, Fruits, Essential Nutrients of food • Living organism – characteristics, difference between living and non-living, difference between plants and animals. • Measurements: Definition of standard units, length, mass, Area and volume – their formulae and units • Motion and force : Definition, units of force of its formulae • Different types of forces. • Machines : Simple and complex e.g : levers, inclined plane, pulley etc. • Light : Sources of light, formation of eclipses, umbra and Penumbra • Acids, Bases and salts, Oxides, Electrolysis

Class:VIII	Time: 2 hour 30 min
English:	<ul style="list-style-type: none"> • A composition in 350 - 400 words on a given topic. • Letter Writing.- formal letter – comprehension.
Hindi :	• Composition on a given topic and letter writing on a given topic
Maths:	<ul style="list-style-type: none"> • Triangles • Profit and Loss • Speed and distance • Algebra – Multiplication and Division of Algebraic expressions • Powers and roots • Area and Perimeter(rectangle and square) [Word Problems included]
Science: (Objective type of paper)	<ul style="list-style-type: none"> • Cell • Nutrients of food, modes of nutrition, photosynthesis in plants • Measurements – multiples and sub-multiples of units eg: Length is measured in meters. • Multiple – Kilometer submultiples – centimeter, millimeter • Sound – properties of sound and echo • Motion and speed – definition of rest, motion, difference between speed, velocity, distance and displacement • Atomic structure and chemical bonding, metals, chemical terminology, acids, bases and oxides. (Rocks and Minerals)

Class:IX	Time: 2 hour 30 min
English:	<ul style="list-style-type: none"> • A composition in 350-400 words on a given topic • Letter writing
Hindi :	<ul style="list-style-type: none"> • Composition on a given topic • Letter Writing.
Maths:	<ul style="list-style-type: none"> • Arithmetic : Rational numbers, irrational numbers, Simplifications, HCF, LCM, divisibility tests. Square, Square root, Cube root • Fractions – Simplification, Profit and Loss, Discount. • Algebra : Fundamental operations, exponents, simple linear equations. • Geometry : Types and properties of triangles. • Mensuration : Area and perimeter of triangles, square, rectangle, parallelogram, rhombus and trapezium.
General Science : (Objective Type)	<ul style="list-style-type: none"> • Vernier Callipers • Screw gauge • Force and units of force • Velocity • Speed • Types of lenses and its uses • Current and Electricity • Acceleration and their units • Archimedes principle • laws of flotation • Sound and Echoes light – reflection, refraction • formation of rainbow • Magnetism • Measurement and unit • Chemical bonding • Atomic structure • Metals and Metallurgy – extraction of copper, iron • Definition of Mineral, different types of minerals • Differentiation between metal and non-metals • Basic procedures of metallurgy-concentration of the ore, calcinations, roasting, oxidation and reduction. • Practical Chemistry-gases released when carbonates, sulphates and nitrates and heated, action of heat on oxides, distillation. • Knowledge of basic apparatus used in the laboratory • Periodic table • Cell (Animal and Plant) and organelles • Health and Hygiene – various diseases • Environmental pollution • Plant physiology (photosynthesis, respiration) • Animals – circulatory, digestive, respiratory, reproductive and nervous system
General Knowledge:	<p>Based on the following topics:</p> <ul style="list-style-type: none"> • Earthquakes, Volcanoes • India and its neighbors • Crops, river valley projects • British Rule in India • Important industries of India their location and products. • British Rule in India • Social problems • National goals.