

S.A.V BALAKRISHNA SENIOR SECONDARY SCHOOL
ENTRANCE TEST - 2020

Topics
English

GRADE : IX

1. Active and Passive Voice
2. Reported Speech
3. Tenses
4. 'ing' forms of the verbs
5. Modals
6. Determiners
7. Parts of speech
8. Article Writing
9. Diary Entry
10. Descriptive Paragraph
11. Story Writing
12. Formal Letter

GRADE: X

1. Tenses
2. Subject and Verb Agreement
3. Articles and Determiners
4. Active and Passive voice
5. Reported Speech
6. Clauses
7. Preposition
8. Connectors
9. Modals
10. Article Writing
11. Diary Entry
12. Descriptive Paragraph
13. Story Writing
14. Formal Letter

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Topics
Science

Grade : IX

1. Crop production and management
2. Light
3. Sound
4. Conservation of plants and animals
5. Coal and petroleum
6. Synthetic fibres and plastics
7. Metals and non-metals
8. Chemical effects of current
9. Force and Pressure

Grade : X

Physics:

1. Force and laws of motion
2. Gravitation
3. Work and energy
4. Sound

Chemistry

1. Matter in our surroundings
2. Is matter around us pure
3. Atoms and molecules
4. Structure of the atom

Biology

1. The fundamental unit of life
2. Tissue
3. Diversity in living organisms
4. Improvement in food resources
5. Natural resources
6. Why do we fall ill ?

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Topics

Maths

GRADE : IX

1. Rational Numbers
2. Linear Equation in one variable
3. Algebraic expressions and identities
4. Factorisation
5. Squares and Square roots
6. Cube and cube roots
7. Data Handling and Graph
8. Mensuration
9. Powers and Exponents
10. Understanding Quadrilaterals

GRADE : X

1. Number System
2. Polynomials
3. Co-ordinate Geometry
4. Linear equation
5. Triangles
6. Quadrilaterals
7. Circles
8. Lines and Angles
9. Statistics

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Topics
Maths

GRADE: XI

1. Pair of Linear Equation in Two variables
Graphical method – substitution method – Elimination method – cross multiplication method – Equations reducible to a pair of linear equations in two variables.
2. Quadratic Equations
Solutions using factorisation method – Completing square – formula method.
3. Arithmetic Progression
Arithmetics progression – nth term of an AP – Sum of first n terms of an A.P
4. Co- ordinate Geometry
Distance formula – Section formula – Area of triangle.
5. Trigonometry
Trigonometric ratios – Trigonometric ratios of some specific angles – Trigonometric ratios of complementary angle – Trigonometric Identities.
6. Statistics
Mean – Median – Mode of Grouped Data
7. Probability
A theoretical approach – Complimentary of events.

GRADE : XII

1. Relations and Functions.
Cartesian product – Domain – Co-domain – Range – Some functions and their graphs. Algebra of real functions.
2. Trigonometric Functions
Angles – Trigonometric functions – Sum and Deference of two angles
3. Straight lines
Slope of a line – various forms of the equation of a line – General equation of a line – Distance of a point from a line
4. Three dimensional Geometry
Co-ordinate Axes and Co-ordinate planes - distance between two points – Section formula
5. Conic Section
Section of a Cone – Circle – Parabola – Ellipse – Hyperbola.
6. Limits and Derivatives
Initiative idea of Derivations – limits – Limits of trigonometric functions - Derivative (basic formulas) – product and quotient rule
7. Probability
Random experiment – Event – Axiomatic approach to probability