



## Entrance Test 2<sup>nd</sup> Ability Batch (2016-18)

DATE OF TEST :- SATURDAY, 4, JUNE, 2016

### SYLLABUS

#### MATHS

1. Real Numbers
2. Polynomials
3. Pair of Linear Equations  
in Two Variables
4. Quadratic Equations
5. Arithmetic Progressions
6. Triangles
7. Coordinate Geometry
8. Introduction to  
Trigonometry
9. Some Applications of  
Trigonometry
10. Circles
11. Constructions
12. Areas Related to Circles
13. Surface Areas and Volumes
14. Statistics
15. Probability

#### SCIENCE

1. Chemical Reactions and Equations
2. Acids, Bases and Salts
3. Metals and Non-metals
4. Carbon and its Compounds
5. Periodic Classification of Elements
6. Life processes
7. Control and Coordination
8. How do Organisms Reproduce?
9. Heredity and Evolution
10. Light-Reflection and Refraction.
11. Human Eye and Colourful World.
12. Electricity
13. Magnetic Effects of Electric  
Current
14. Sources of Energy
15. Our Environment
16. Management of Natural Resources

The questions of mental Ability & Reasoning will also be given in entrance test  
Test Pattern- M.C.Q. Based

**Duration: 2 Hours**

**No. of Questions- 80 (Maths-16, Physics-16, Chemistry-16, Biology-16 and Reasoning-16)**

**Maximum Marks:- 320**

**Please note:- 4 marks will be awarded for correct answer. 1 mark will be deducted for incorrect answer.**