



R.E.D. Group of Schools
Sample Paper for Scholarship Cum Admission Test
Class - XI

MAT

1. If $\frac{1}{9}$ of a number is 4 more than is $\frac{1}{10}$, then number is -
(a) 300 (b) 260 (c) 460 (d) 360
2. If x% of x is 25, x will be -
(a) 50 (b) 40 (c) 60 (d) 500

ENGLISH

Direction : Choose the word that is most nearly opposite in meaning to the given words.

3. CHIDE :
(a) scold (b) rebuke (c) praise (d) reprimand
4. FIDELITY :
(a) disloyalty (b) dependability (c) Suitability (d) commitment

MATHEMATICS

5. If $\sin x + \operatorname{cosec} x = 2$, then $(\sin^{10}x + \operatorname{cosec}^{10}x)$ is equal to -
(a) 3 (b) 0 (c) 1 (d) 2
6. The hypotenuse of a right triangle is 10 cm and radius of the inscribed circle is 1 cm. The perimeter of the triangle is -
(a) 15 cm (b) 22 cm (c) 24 cm (d) 18 cm

SCIENCE

7. The magnetic field lines inside a long current carrying solenoid are nearly -
(a) Circular (b) Parabolic (c) Straight (d) Elliptical
8. An AC generator is connected to an electric appliance. In 10 revolutions of the armature the current in the appliance changes direction -
(a) 5 times (b) 10 times (c) 20 times (d) 40 times

SOCIAL SCIENCE

9. An example of indirect taxes is -
(a) Income Tax (b) Corporate Tax (c) Estate Tax (d) Entertainment Tax
10. Which academy supports food security programme ?
(a) Academy of Development (b) Academy of Crop Science
(c) Academy of Food Security (d) Academy of Grain Science