



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

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**MAT**

**Directions - (Q. 1 - 2)** In these questions each question has four terms. Three terms are alike in some way. One term is different from others. Write the letter of the different term against the corresponding question number on your answersheet.

1. (a) POLISH (b) SUFFER (c) MATTER (d) ATTIRE  
2. (a) RLTK (b) CTES (c) PVRU (d) VDZC

**ENGLISH**

**Directions (Q. 3-4)** Choose the synonyms for the following words :

3. Synonym of ACQUAINT  
(a) Withhold (b) Conceal (c) Familiarise (d) Risky  
4. Synonym of AGGRAVATE  
(a) Decline (b) Acquire (c) Excited (d) Irritate

**MATH**

5. If the radius of a circle is 13 cm and the length of its chord is 10 cm then the distance of chord from the centre is :  
(a) 10 cm (b) 11 cm (c) 12 cm (d) 13 cm  
6. If the distance of 10 cm long chord from the centre of the circle is 12 cm diameter then its diameter is  
(a) 13 cm (b) 26 cm (c) 20 cm (d) 30 cm

**SCIENCE**

7. One of the following is not a vector quantity?  
(a) displacement (b) speed (c) acceleration (d) velocity  
8. Slope of speed - time graph gives.  
(a) distance travelled (b) velocity (c) acceleration (d) displacement

**SOCIAL SCIENCE**

**Directions (Q9-10)** Tick the correct answer:

9. The Bhopal Gas tragedy was caused by  
(a) an epidemic (b) road accident (c) terrorist attack (d) industrial accident  
10. Which one of the following is not a Weapon of Mass Destruction?  
(a) Chemical bond (b) Nuclear bomb (c) Biological weapon (d) AK-47