

# R.E.D. Group of Schools

## Entrance Test– (2017–18)

Class – X

Time : 30 Min.

Subject - English

M.M. 20

### General Instruction.

- All the questions are compulsory.

### Section : A (Reading Skill)

**Q.1 Read the following passage carefully and answer the questions that follow. 5×1=5**

Ahalya Bai herself set her people a fine example. She was a deeply religious woman and she encouraged her people in the performance of their religious duties. Not only were inns built along the new roads, but also temples where the passers-by might worship. For each temple, too, she assured a daily supply of fresh water from the Ganges. The queen herself observed her daily religious rites most faithfully. Like other great rulers she knew the value of routine and order, and her day was strictly divided so that no part of her duties might be neglected. She would rise in the early half-light before the dawn, bathe herself and then perform her religious ceremonies and listen to readings from the Holy Books. What better beginning could her day have had? Then, before eating her own simple meal, she distributed alms to the poor. All through the long hot afternoons from two o'clock till six she sat among her nobles and advisers discussing the business of the Kingdom. There was no Purdah in Malwa, so Ahalya Bai went unveiled among her people and was able to see that justice was done and that her wise and beneficent laws were properly administered.

### Questions :

- (a) What fine example did Ahalya Bai set for her people?
- (b) How did she begin her day?
- (c) What did she do for the travellers?
- (d) What did she do in the afternoons?
- (e) How did she do justice to her people?

### Section : B (Writing Skill)

**2. Tourism as an industry is flourishing at the global level yet in our homes we do not have time to entertain our guests with warmth and true hospitality. Guests are no longer the gods as they were thought to be in earlier times, Write an article, discussing the present day preoccupations of the people with themselves for your school magazine. 5**

OR

**You are Reena/Mohan resident of Chhuchhakwas, Jhajjar. You are very much disturbed about the injuries/ accidents caused to the children and the aged persons due to rash and reckless driving. Write a letter to the editor of a newspaper cursing reckless driving.**

### Section : C (Grammar)

**3. The following passage has not been edited. There is an error in each line. Write the incorrect word and the correction in the answer sheet against the correct blank. 4×1=4**

Incorrect Correct

The fact that dance are an art form is a well known fact. (a) ..... ..

Although dance as a therapy is not known by many. (b) ..... ..

Dance therapy involves a synthesis of the (c) ..... ..

grace and vigour to Indian classical and folk dance (d) .....  
movement into an innovative and holistic therapy.

4. **Fill in the blank with suitable modal auxiliary verbs given in the brackets :** 3×1=3

(a) Gandhi ji ..... to walk in the morning. (Used/ ought)

(b) He prayed that God ..... give me prosperity. (might/could)

(c) ..... I do it for you? (may/can)

5. **Fill in the blanks with suitable prepositions :** 3×1=3

(a) The calculator is ..... the table.

(b) He was angry ..... me.

(c) That man is found guilty .....theft.

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# R.E.D Group of Schools

## Entrance Test– (2017–18)

### Class– X

Time : 30 Min.

Subject - Mathematics

M.M. 20

#### General Instructions.

- All questions are compulsory.
- Use of calculator or mobile is not allowed in the exam.

Q.1 Coins of same size are placed one above the other and a cylindrical solid block is formed. The volume of this block is  $49.28 \text{ cm}^3$ . Diameter of each coin is 2.8 cm and thickness 0.2 cm. Find the number of coins arranged in the block. 3

Q.2 The percentage of marks obtained by a student in monthly unit tests are given below: 2

Test	I	II	III	IV	V	VI
Percentage of marks	52	60	65	75	80	72

Find the probability that in the next test the student gets.

- (i) more than 70% marks.
- (ii) less than 70% marks
- (iii) at least 60% marks.

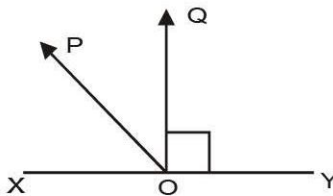
Q.3 In a circle, the major arc is 3 times the minor arc. Find the corresponding degree measures of two arcs. 3

Q.4 How many planks each of which 2 m long, 2.5 cm broad and 4 cm thick can be cut-off from a wooden block 6 m long, 15 cm broad and 40 cm thick.? 3

Q.5 Diagonals  $AC$  and  $BD$  of a quadrilateral  $ABCD$  intersect each other at  $P$ . Show that:  $ar(\triangle APB) \times ar(\triangle CPD) = ar(\triangle APD) \times ar(\triangle BPC)$ . 3

Q.6 Prove that line segment joining the mid-points of two sides of a triangle is parallel to the third side and equal to half of it. 3

Q.7 In the given figure,  $XOY$  is a straight line and  $OQ \perp XY$  at  $O$ . Show that  $2 \angle QOP = \angle YOP - \angle XOP$ . 3



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# R.E.D. Group of Schools

## Entrance Test - (Session : 2017-18)

Class : X

Time :30 Min.

Subject - Science & Technology

M.M. 20

Student Name \_\_\_\_\_

Roll No. \_\_\_\_\_

Sec. \_\_\_\_\_

1. What is thrust? 1
2. Why are bryophytes called 'amphibians of plant kingdom'? 1
3. Write chemical formula of calcium carbonate. 1
4. How do cations and anions form? Give one example of each. 2
5. Calculate number of atoms present in 2 mole of oxygen gas. 2
6. Differentiate between infectious and non-infectious disease. 2
7. Sketch the structure of atom according to Bohr's model of atom. 2
8. What do you mean by law of transformation of energy. Give any two examples. 3
9. What is green house effect? How is it effect our life? 3
10. Define power? Write its S.I. unit. Show that  $1 \text{ KWh} = 3.6 \times 10^6 \text{ joule}$ . 3

\*\*\*\*End of Paper\*\*\*\*

(1)

# R.E.D. Group of Schools

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Time :30 Min.

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M.M. 20

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Roll No. \_\_\_\_\_

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\*\*\*\*End of Paper\*\*\*\*

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