BHARTIYA SHIKSHA BOARD
MODEL PAPER – TERM II
MATHEMATICS – CLASS VI
SESSION-2025-26

Time: 1 Hour   **Max Marks: 20**

GENERAL INSTRUCTIONS:
- Read the questions carefully.
- 10 minutes extra time is allowed to read this question paper. During this time, students will read the question paper only and not write the answer.
- This question paper comprises of three section **A**, **B** and **C**. All questions are compulsory.
  Section A: Q.no.**1**, carry **5** marks.
  Section B: Q.no. **2** to **6**, carry **1** mark each.
  Section C: Q.no. **7** to **11**, carry **2** marks each.

Section A

Q.1. Choose the correct answer:

i. Which ancient Bharatiya text, authored by Aryabhata described the decimal system and introduced the use of Zero as a placeholder?
   (a) Veda   (b) Artha shastra   (c) Aryabhatiya   (d) Manusmriti

ii. A _____ is the section of a circle enclosed by a chord and an arc.
   (a) segment   (b) radius   (c) sector   (d) diameter

iii. Which English letters have reflectional as well as rotational symmetry.
   (a) D   (b) E   (c) H   (d) K

iv. 2 tens 7 ones and 4 tenth is equal to
   (a) 274   (b) 2740   (c) 27.4   (d) 27.04

v. The number expressed as a part of 100 is called:
   (a) Ratio   (b) Percentage   (c) Decimal   (d) none of these

Section B

Q.2. Represent the following number on a number line.
   (a) *1.3*   (b) *0.4*

Q.3. Write the algebraic expressions of the following.

(a) product of *7 and y* divided by 9.

(b) 6 is added to the product of *p* and *q*.

Q.4. Find the missing number in the proportion 15:__::27:36.

Q.5. Find the area of rectangular field whose length and breadth are *15* cm and 12 cm, respectively.

Q.6. Draw a circle whose diameter is *8 cm*.

Section C

Q.7. There is *16.5* liters of water left in a tank. If the capacity of the tank is *200 liters*, then how much more water is required to fill it completely?

Q.8. The cost of 8 apples is ₹*104*. Find the cost of *14* apples.

Q.9. Construct ∠*AOB=75⁰* with the help of protractor. Draw ∠*PQR* which measure *75⁰* by using a ruler and a compass.

Q.10. Express the following as a ratio by converting them into quantities of same type.

(a) *2 Km* to *800 m*   (b) *2 days to 24 hours*

Q.11. Fill in the blank:

(a) The first term in a ratio is called the _____.

(b) A____ encloses a circular region.

(c) An asymmetrical shape has _____ line of symmetry.

(d) The angle of rotation lies between _____and ___.