

BHARTIYA SHIKSHA BOARD
UNIT TEST – TERM I
MATHEMATICS – CLASS VIII
SESSION 2026-27

Time: 1 Hour

Max Marks: 20

GENERAL INSTRUCTIONS:

- Read the questions carefully.
 - Please check that this question paper contains **02** printed pages.
 - **10** minutes of extra time has been allotted to read this question paper. During this time, students will not start writing the answers.
 - This question paper contains **10** questions. Attempting all the questions is compulsory.
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1. $\sqrt{49} + \sqrt{0.49} =$ **(1 Mark)**
(a) 0.7 (b) 7.7 (c) 7.07 (d) 7
2. $\sqrt[3]{\frac{-64}{343}} =$ **(1 Mark)**
(a) $\frac{3}{7}$ (b) $\frac{4}{7}$ (c) $\frac{-4}{7}$ (d) $\frac{-2}{7}$
3. Which of the following number is an irrational number? **(1 Mark)**
(a) 3.121212 (b) 3.3333 (c) $\sqrt{64}$ (d) $\sqrt{3.1}$
4. If $5^x = \frac{1}{125}$, then $x =$ **(1 Mark)**
(a) -5 (b) 5 (c) 3 (d) -3
5. The standard form of 0.00092 is **(1 Mark)**
(a) 0.92×10^{-5} (b) 9.2×10^4 (c) 9.2×10^{-4} (d) 9.2×10^{-3}
6. Find the value of $[(36)^{-3} \times 6^{-5}] \div 6^{-11}$. **(2 Marks)**
7. Solve $\frac{2x+1}{2-x} = 3$. **(2 Marks)**
8. Charan is 12 years older than his sister. If his sister's present age is two-fifths of his present age, what is his present age? **(3 Marks)**
9. Solve $(x + y + z)(x - y) + (y - z)(z - x)$. **(3 Marks)**

10. A gardener wants to plant 53,361 saplings in such a way that the number of columns and number of rows remain same. Find the number of saplings in each row. **(3 Marks)**