

KOTHARI INTERNATIONAL SCHOOL, NOIDA
ANNUAL EXAMINATION, SESSION: 2025-26
GRADE: 7 SUBJECT: MATHEMATICS
SET B SECTION A (OBJECTIVE)

DAY & DATE: MONDAY - MARCH 9, 2026

MAXIMUM MARKS: 20

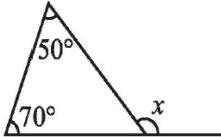
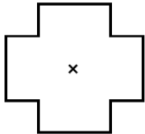
NAME: _____

TIME ALLOTTED: 30 MINUTES

ROLL NO: _____

GENERAL INSTRUCTIONS:

- i. This question paper consists of 2 pages and 20 questions.*
- ii. Q. No. 1 to 20 carries 1 mark each.*
- iii. It is compulsory to attempt all the questions.*
- iv. Read the questions carefully and then attempt it.*

- Q1. How many medians can a triangle have? 1
 (a) 0 (b) 1 (c) 2 (d) 3
- Q2. The circumference of circle whose diameter is 14cm will be: 1
 (a) 44cm (b) 88cm (c) 44cm^2 (d) 88cm^2
- Q3. A picnic is being planned in a school for Class VII. 60% of the total 30 students in the class are girls. The ratio of the number of girls to the number of boys in the class is: 1
 (a) 2:3 (b) 3:2 (c) 4:5 (d) none of these
- Q4. Which of the following letters of English Alphabets consists of 2 or more lines of symmetry? 1
 (a) B (b) Y (c) I (d) A
- Q5. "One-fourth of m is 3 more than 7." The appropriate equation for the given statement is: 1
 (a) $4m-7=3$ (b) $m-4=3$ (c) $\frac{1}{4}m-7=3$ (d) $\frac{1}{4}m+3=7$
- Q6. Find the value of x in the adjoining figure. 1
 (a) 50° (b) 70° (c) 120° (d) 180°
- 
- Q7. Which of the following values of x satisfies the equation $3x-14=4$? 1
 (a) 2 (b) 3 (c) 4 (d) 6
- Q8. Which of the following statements is **FALSE** for the rational numbers? 1
 (a) The multiplicative identity of rational numbers is 1.
 (b) Rational numbers satisfies for associativity under division.
 (c) Zero is not a rational number.
 (d) Both b and c.
- Q9. The order of rotational symmetry in the adjoining figure about the point marked 'x' is: 1
 (a) 1 (b) 2 (c) 3 (d) 4
- 
- Q10. What cross-section do you get when you give a horizontal cut to an ice cream cone? 1
 (a) Triangle (b) Circle (c) Semicircle (d) Rhombus
- Q11. **Assertion: The value of $x^3 + 5x^2 + 3x + 4$ is 85 when $x = 3$.** 1
Reason: A numerical coefficient is defined as a fixed number that is multiplied to a variable.
 (a) Both assertion and reason are correct and reason is correct explanation for assertion.
 (b) Both assertion and reason are correct but reason is not the correct explanation for assertion.
 (c) Assertion is correct but reason is false.
 (d) Assertion is false but reason is correct.

Q12. **Assertion (A):** $2^5 \times 2^3 = 2^{15}$ 1

Reason (R): For any integers a , m , and n , we have $a^m \times a^n = a^{m+n}$.

- (a) Both assertion and reason are correct and reason is correct explanation for assertion.
- (b) Both assertion and reason are correct but reason is not the correct explanation for assertion.
- (c) Assertion is correct but reason is false.
- (d) Assertion is false but reason is correct.

Q13. The exponential form for 64 can be written with base (-2) as _____ . 1

Q14. If the area of a triangle is 36cm^2 and the height is 3cm, then base of the triangle will be _____ . 1

Q15. The coefficient of y in the expression $11+x-2y$ is _____ . 1

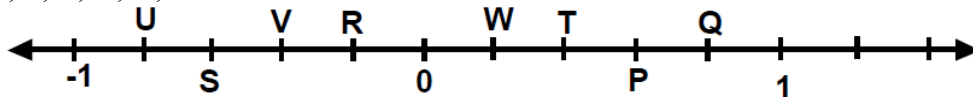
Q16. The cost of a flower vase is ₹120. If the shopkeeper sells it at a loss of 10%, the its selling price is _____ . 1

Q17. A rational number equivalent to $\frac{-63}{99}$ is _____ . 1

Q18. The constant term in the expression $1 + x^2 + x$ is x . (True/False) 1

Q19. The number of edges in a polyhedron having 12 vertices and 20 faces is 30. (True/False) 1

Q20. The points P, Q, R, S, T, U, V, and W lie on the below number line such that $US=SV=VR$ and $WT=TP=PQ$. 1



The rational number represented by P is $2/5$. (True/False)