



# ANGEL'S PUBLIC SCHOOL

## SAMPLE PAPER

PERIODIC TEST – I SESSION 2025 – 26

CLASS – VIII

TIME : 1 hr. : 30 min.

SUBJECT – MATHEMATICS

M.M = 40

### General Instructions

- (a) Question paper is divided into 4 sections A,B,C and D.
- (b) Section A comprises of 4 questions of 1 mark each.
- (c) Section B comprises of 4 questions of 2 marks each.
- (d) Section C comprises of 5 questions of 3 marks each. Attempt any 4.
- (e) Section D comprises of 6 questions of 4 marks each. Attempt any 4.

### SECTION – A

- 1. \_\_\_\_\_ is the multiplicative identity for rational numbers
- 2. Solve  $x + 7 = 4$
- 3. Define rational numbers
- 4. Give all properties for parallelogram

### SECTION B

- 5. Solve  $3x + \frac{1}{4} = 2x$
- 6. Find multiplicative inverse of (i)  $\frac{-4}{7}$  (ii) 3
- 7. Find  $-4 \times \frac{7}{16}$
- 8. Explain how a square is a quadrilateral.

### SECTION – C (DO ANY 4)

- 9. Verify the associative property of addition for  $\frac{-7}{6}$  and  $\frac{4}{3}$
- 10. Solve  $4(2 - 4x) = -8(4 + 2x)$
- 11. Is it possible to have a regular polygon with measure of each exterior angle as  $22^\circ$
- 12. Draw a rough figure of a quadrilateral that is not a parallelogram but has exactly two opposite angles of equal measure
- 13. Tell what property allows you to compute  $\frac{1}{2} \times (7 \times \frac{7}{4})$  as  $(\frac{1}{2} \times 7) \times \frac{7}{4}$

### SECTION – D (DO ANY 4)

- 14. The product of two rational numbers is  $\frac{18}{7}$ . If one of the number is  $\frac{-9}{14}$ . Find the other number.
- 15. Solve and check  $5x + \frac{7}{2} = \frac{3x}{2} - 14$
- 16. Simplify  $0.25(4f - 3) = 0.05(10f - 9)$
- 17. Find  $\frac{-4}{5} \times \frac{3}{7} \times \frac{15}{16} \times (\frac{-14}{9})$
- 18. ABC is a right angled triangle and O is the midpoint of the side opposite to the right angle. Explain why O is equidistant from A,B and C.
- 19. (a) What is the minimum interior angle possible for a regular polygon? Why?  
(b) What is the maximum exterior angle possible for a regular polygon?