ANGEL'SPUBLIC SCHOOL

SAMPLE PAPER

PERIODIC TEST – I SESSION 2024 – 25

CLASS – VIII

TIME : 2 HRS **SUBJECT : MATHEMATICS** **M.M:40**

General Instructions:

(a) Section A comprises 10 questions of 1 mark each.

(b) Section B comprises 4 questions of 2 marks each.

(c) Section C comprises 4 questions of 3 marks each.

(d) Section D comprises 3 questions of 5 marks each. Attempt any 2.

SECTION-A

1. The product of two rational numbers is always a ___.

(a) irrational **(b)** rational **(c)** whole number

2. The value of x in the linear equation x-5=7 is ___.

(a) 2 **(b)** 12 **(c)** -12

3. The additive inverse if -⅞ is ___.

(a) 7/8 **(b)** 8/7 **(c)** -8/7

4. The value of multiplicative identity is ___.

(a) 0 **(b)** 1 **(c)** -1

5. A polygon with 7 sides is called a ___.

(a) hexagon **(b)** heptagon **(c)** octagon

6. The sum of all interior angles of a triangle is ___.

(a) 360º **(b)** 180º **(c)** 90º

7. The value of x in the linear equation 5(x-17) = 7(x-19).

(a) 23 **(b)** 24 **(c)** -24

8. The multiplicative inverse of 6/17 is ___.

(a) 17/6 **(b)** -17/6 **(c)** 0

9. The value of x in the linear equation 2(x+2) +12= 28

(a) 8 **(b)** 6 **(c)** -6

10. Anything whose value is not fixed is called_____.

(a) constant **(b)** linear equation **(c)** variable

SECTION-B

11. Solve:

(a) 5/9+(-9/11)

(b) -5/12 -7/15

12. Multiply:

(a) 23/5 and -3.2

(b) 11/14 and –27/44

13. Sunita has a square plot of side 183/4 .What is the area and perimeter of the plot?

14. Draw a hexagon and draw all the diagonals of a hexagon.

SECTION-C

15. Find the interior angle sum of a polygon of 7 sides and 17 sides.

16. Find the value of x using cross multiplication method.

(a) $\frac{z+5}{6} - \frac{z+1}{9} = \frac{z+3}{4}$

(b) $\frac{5x-4}{7} = \frac{8}{9}$

17. Fill in the blanks:

(a) -4.5÷ 5/7 × 4/9 = __

(b) 3.4÷ 8/3× -4/9= ___

18. In a regular octagon, how many diagonals can be drawn from a vertex? Also show the diagonals.

SECTION-D (Attempt any 2)

19. Ravi earned Rs 480 in a day. He spent Rs 153/2 on snacks and tea and Rs 253/2 on food and saved the rest. How much did he save?

20. Solve the linear equation:

X – 1.5 (x-3) = 2(x -3)

21. Name the property illustrated through each of the operations:

(a) a/b+ c/d= Rational number

(b) a/b+ c/d= c/d+ a/b

(c) (a/b+c/d) +e/f = a/b +(c/d+e/f)