SUMMATIVE EVALUATION – II
2025-2026

GRADE:6   **MARKS:50**
SUBJECT CODE: 6MATENG   **SUBJECT NAME:MATHEMATICS**
DATE: **DURATION:120 MIN**
NUMBER OF QUESTIONS:32   **NO.OF PAGES: 07**

General instructions:
1) This question paper contains 32 questions. All questions are compulsory.
2) Question numbers 1 to 20 are MCQ type questions carrying 1 mark each and question numbers 21 to 32 are subjective questions.
3) Only answers are required to be required to be written for all questions.
4) Figures are to be drawn in pencil and are to be retained.
5) Figures to the right indicate full marks.

Choose and write the most correct alternative from those provided below each statement.   **(1 Mark × 20 = 20 Marks)**

1. A regular polygon among the following is _____.
   A) Rectangle
   B) Circle
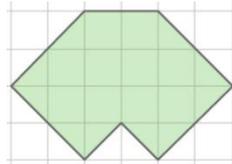   C) Square
   D) None of the above

2. 75 paise represents _____ .
   A) One-fourth of a Rupee
   B) Three-fourth of a Rupee
   C) Half a Rupee
   D) None of the above

3. Which of the following figure has two lines of symmetry?
   A) Square
   B) Pentagon

C) Circle

D) None of the above

4. The denominator of the fraction $\frac{3}{7}$ is

A) 3

B) 7

C) 10

D) None of the above

5. The area of the given figure is

A) 15 cm^2

B) 10 cm^2

C) 12 cm^2

D) None of the above

6. If the diameter of a circle is 15cm, then its radius is

A) 15cm

B) 3.5cm

C) 7.5cm

D) None of the above

7. If a box contains 4 red marbles, 7 green marbles and 8 blue marbles, then the fraction that represents the number of green marbles is

A) $\frac{3}{19}$

B) $\frac{4}{7}$

C) $\frac{7}{19}$

D) None of the above

8. The amount of region enclosed by a closed figure is
   A) Perimeter
   B) Volume
   C) Area
   D) None of the above

9. The triangle with only one line of symmetry is
   A) Equilateral triangle
   B) Isosceles triangle
   C) Scalene Triangle
   D) None of the above

10. Compare the given fractions and use the appropriate sign:-

   $\frac{5}{12}$ ☐ $\frac{1}{12}$

   A) >
   B) =
   C) <
   D) None of the above

11. A number line is drawn on a classroom floor. If you are standing at -5 and then you move 9 steps backwards on your left; finally you are at
   A) -14
   B) -12
   C) 9
   D) None of the above

12. The length of a drawing paper is 15cm and width is 12cm. The perimeter of the drawing paper is
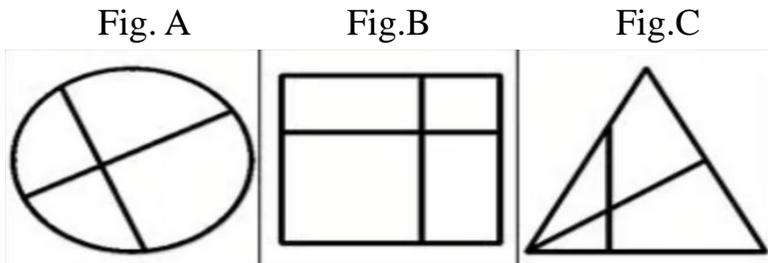   A) 54cm
   B) 180cm
   C) 27cm
   D) None of the above

13. In a rectangle, the _____ sides are equal.

    A) adjacent
    B) all
    C) opposite
    D) None of the above

14. The integer greater than -23 is
    A) -17
    B) -25
    C) -30
    D) None of the above

15. The figure that correctly represents the fraction or parts of a whole is

    Fig. A   Fig.B   Fig.C

    A) Figure A
    B) Figure B
    C) Figure C
    D) None of the above

16. Rotation turns an object about a fixed point. This fixed point is called

    A) Centre of symmetry
    B) line of symmetry
    C) Centre of rotation
    D) None of the above

17. The altitude of a flying jet aircraft 5000m above the sea level can be represented by

A) $\frac{1}{5000}$ m
B) -5000m
C) +5000m
D) None of the above

18. The additive inverse of 12 is _____

A) 6
B) -12
C) 24
D) None of the above

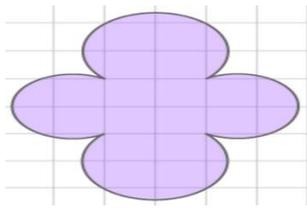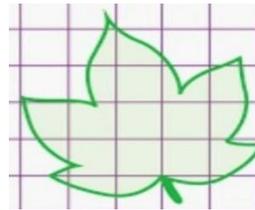19. Which of the following figure has greater area?

Fig. A   Fig.B
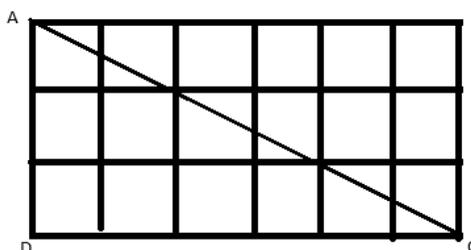

A) Area of Figure A
B) Area of Figure A = Area of Figure B
C) Area of Figure B
D) None of the above

20. If Smita withdraws Rs. 500 from her bank account, then her bank balance will be shown as
A) Credited
B) Debited
C) Transferred
D) None of the above

Attempt the following questions.　　　　　　　**(2 Mark × 6 = 12 Marks)**

21. Observe the given figures. Calculate the area of Rectangle ABCD and Triangle ADC.

22. Copy the given figures on a dot grid. Complete each figure such that the middle vertical line is the line of symmetry.
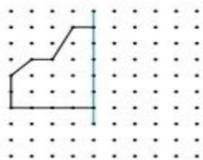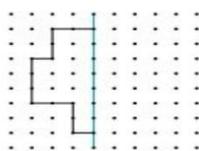

　　　Fig. A　　　　　　　　　　　　Fig. B

23. A compound wall is built around a newly developed children's park which is 65 m long and 29 m wide. Calculate the total length of the compound wall around the park. Also calculate the amount of space occupied by the park.

24. Find two equivalent fractions of $\frac{2}{3}$

25. Evaluate:- $28 + (-12) - (-13)$

26. Construct a rectangle where one of its sides is 5cm and the length of the diagonal is 7cm.

Attempt the following questions.   **(3 Marks × 6 = 18 Marks)**

27. A school ground is of length 47m and width 29m. On the same ground a badminton court is marked with width 16m and length 24m. Find the area of remaining portion of the ground.

28. Create your own artwork or pattern or drawing using only compass.

29. Tina and Mina took part in a cleanliness drive. Tina cleans $\frac{1}{3}$ of a garden and Mina cleans $\frac{2}{5}$ part of the same garden. What part of the total garden did Tina and Mina help in cleaning?

30. Draw a number line and mark the given integers on it: -

 a) 4   b) -7   c) 1   d) -4

31. Observe the given figure and then draw how it will appear on one-fourth turn, half a turn and three-fourth turn.
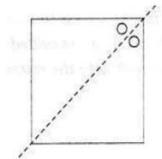
32. Draw figures to represent the given fractions: -

         a) $2\frac{1}{4}$ b) $1\frac{5}{8}$