FIRST TERM EXAMINATION– 2023

SUMMATIVE ASSESSMENT - MATHEMATICS

CLASS : 6 **Time : 2 Hrs**

Total Marks: 60

Section – A

I. Choose the best Answer. **5 × 1 = 5**

1. The whole number that does not have a predecessor is _____.
   a) 10 b) 0 c) 1 d) 100
2. 6 less to ‘n’ gives 8 is represented as _____.
   a) n - 6 = 8 b) 6 - n = 8 c) 8 - n = 6 d) n - 8 = 6
3. If 2:3 = 4:x, then the value of x is _____.
   a) 6 b) 2 c) 4 d) 3
4. An angle which is bigger than 180^o and less than 360^o is called _____.
   a) Acute angle b) Obtuse angle c) Straight angle d) reflex angle
5. The representation of one picture to many objects in a pictograph is called _____.
   a) Tally mark b) Pictoword c) Scaling d) Frequency

II. Fill in the blank. **5 × 1 = 5**

6. Predecessor of 10,000 multiplied by _____ leaves the number unchanged.
7. If ‘p-5=12’, then the value of ‘p’ is _____.
8. Ratio of 3m to 200 cm is _____.
9. The line that end on one side but proceed indefinitely on the other side is called _____.
10. The smallest four digit number that can be framed using the numbers 7, 6, 0, 1 is _____.

III. Say TRUE or FALSE. **5 × 1 = 5**

11. 139 is rounded off as 140 to the nearest 100.
12. If there are 11 players in a team, then there will be ‘11 + q’ players in ‘q’ teams.
13. If 40 is divided in the ratio 3:2, then the larger part is 24.
14. 0^o and 180^o are supplementary angles.
15. The plural form of ‘datum’ is data.

IV. Match the following. **5 × 1 = 5**

16. (53 + 49) × 0 - 5
17. If 2m = 10, then the value of m - 4
18. The fractional value of 12:12 - 0
19. The end points in a line segment - 1
20. IIII– represent a number - 2

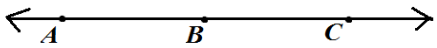
Section - B

V. Answer any 10 Questions. **10 × 2 = 20**

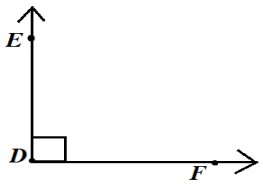
21. If Rajan writes a 3-digit number using the digits 4, 7 and 9, then what are the possible numbers he can write?
22. Simplify: 24 + 2 × 8 ÷ 2 – 1
23. Estimate by rounding off each number to the nearest hundred and find their sum.

    8074 + 4178
24. If ‘g’ is equal to 300, what is the value of ‘g - 1’ and ‘g + 1’?
25. If 6 eggs are taken out of a tray and there are still 10 eggs remaining.

    Write the algebraic expression for the above.
26. Find the ratio between 40 minutes and 1 hour.
27. Write 4 equivalent ratios for 2:3.
28. How many line segments are there in the given line? Name them.

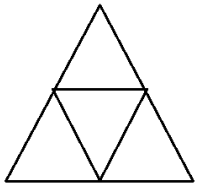


29. Write the vertex and sides for the angle in the figure



30. Give any two examples for parallel lines.
31. Viji rolled a die 10 times and noted down the result each time as follows. Prepare a table for the numbers shown using tally marks.

    1 4 3 5 5 6 6 4 3 5
32. Write the types of Data.
33. In how many different combinations Raman can wear 2 shorts and 3 shirts?
34. How many triangles are there in the given figure?



Section - C

VI. Answer Any five questions. **5 × 3 = 15**

35. Tamil Nadu has about one lakh twenty-six thousand three hundred forty-five square kilometer of forest land. Write the number mentioned in the statement in Indian system and International system.

36. Cheran had a bank savings of ₹ 7,50,250. If he withdrew ₹ 5,34,500 for educational purposes, find the balance amount in his account.

37. Name the property being illustrated in each of the cases given below:

    i) 75 + 34 = 34 + 75

    ii) 50 + 0 = 50

    iii) 50 ×1 = 50

38. If 'u' is an even number,

    i) what is the next even number to 'u'?

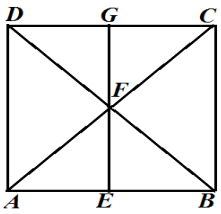
    ii) what is the previous even number to 'u'?

39. A piece of wire is '12s' cm long. What will be the length of the side, if it is formed as below shapes?

    i) An equilateral triangle ii) A square

40. If Cholan walks 6 km in 1 hour at a constant speed, find the distance he would cover in 20 minutes at the same speed?

41. Mention the parallel lines and intersecting lines in the figure given below.



42. Mention the name of the angle given below.

    i) 0^o ii) 89^o iii) 245^o iv) 90^o v) 180^o vi) 135^o

Section - D

VII. **Answer any one of the following.** **1 × 5 = 5**

43. i) Construct a line segment using ruler and compass for $\overline{AB}$ = 7.5 cm.

    (Or)

    ii) Draw and label the angle $\angle NAS = 90^O$