CLASS VII
GUESS PAPER-01
MATHEMATICS

Time: 2:00 hours **Total Marks: 50**

General Instructions :-

1. All questions are Compulsory.
2. The question paper consists of 27 questions and it is divided into three Sections A,B and C.
3. **Section A** comprises of 10 questions carrying 1 mark each.
4. **Section B** comprises of 11 questions carrying 2 mark each.
5. **Section C** comprises of 6 questions carrying 3 mark each.
6. Question numbers 1 to 10 in section A are multiple choice questions where you are to select one correct option out of the given four.

Section A

(Questions 1 to 10 carry 1 mark each)

1. Solve this equation-3X +5 = 14 :

   A. 8 B. 5 C. 3 D. 9

2. Write answer (12) + (-14) X(-48) - (52) :

   A. 200 B. 100 C.120 D.145

3. What is a(b+c) = a x b + a x c :

   A. Distribute law Property B. Associative law property C. Identity law D. Zero law

4. What is supplement angle of 105° :

   A. 55° B. 45° C.120° D. 75°

5. What is answer of 42 x 10 ÷5 +12 -50 :

   A.14 B. 46 C. 12 D. 36

6. $\frac{5}{4}-\frac{7}{8}$ $\square$ $\frac{7}{4}+\frac{8}{16}$:

$A.<$ B. > C. = D. ≤

7. 112 cm is :

A.2.5 m B. 1.12 m C. 4 m D. 15 m

8. Write the answer of 369 ÷_____=369 :

A.. 1 B. 2 C. 4 D. 0

9. 12÷4 +(45 -25) -13 :

A.. 10 B. 14 C.15 D. 11

10. S.S.S congruence means :

A.. side - side - side B. side- angle-angle C. angle – side - side D. Angle - angle – side

Section B

(Questions 11 to 21 carry 2 mark each)

11. A car runs 16 Km using 1 litre if petrol. How much distance will it cover using litres of petrol.
12. Is it possible to have a triangle with the following sides ?
    (i) 3 cm,4 cm,5cm
    (ii) 6 cm, 7 cm, 9 cm
13. Find the mean of the first whole numbers.
14. Solve the followings:
    (i) -14Y+8=36
    (ii) 4+ (12x +2) = 15
15. Find the perimeter of the rectangle whose length is 40 cm and a diagonal is 41 cm.

16. answer thinks of a number. If he takes away 7 from $\frac{5}{2}$ of the number, the result is 23.
17. write complementary angles of the followings :
    (I) 45° (ii) 78° (iii) 89°
18. write supplementary angles of the followings :
    (i) 100° (ii) 150° (iii) 89°
19. An angle is greater than 45°. Is its complementary angle greater than45° or equal to 45° or less than 45° .
20. How many medians can a triangle have ?
21. Tell whether the following is certain to happen , impossible, ca happen but not certain.
    (i) A die when tossed shall land up with 8 on top.
    (ii) You are older today than yesterday.
    (iii) A tossed coin will land heads up.
    (iv) The next traffic light seen will be green.
    (v) Tomorrow will be a cloudy day

Section C

(Questions 22 to 27 carry 3 mark each)

22. Write name of properties of Multiplication of integers. Write their formulae with examples.
23. Find the product, using suitable properties :
    (i) 26 x (-45) + (-21) x 48
    (ii) 15 x (-56) – (-84) x 89
    (iii) 81 x(78-52) (iv) 45 × 125 + 100 × 125
24. Vidya and pratap went for a picnic . Their mother gave them a water bottle that contained 5 litres of water . vidya consumed $\frac{2}{3}$ of the water. Pratap consumed the remaining water.
    (i) How much water did vidya drink ?
    (ii) What fraction of the total quality of water did pratap drink ?
25. The heights of 10 girls were measured in cm and the results are as follows :
    (i) What is height of the tallest girl. (ii) what is the height of the shortest girl ?
    (iii) What is the range of the data ? (iv) what is the mean height of the girls ?
    (iv) How many girls have heights more than the mean height ?

26. Write equations for the following statements and solve them :

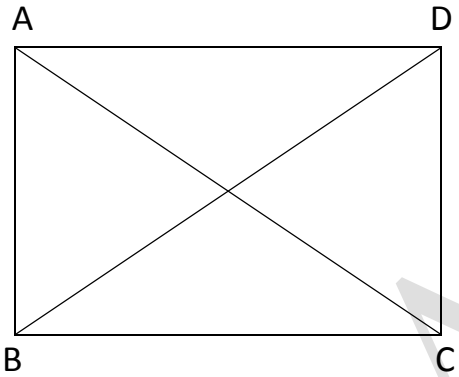
(i) The sum of numbers x and 5 is 12.

(ii) If you add 4 to one - third of y , you get 40.

(iii) Seven times m plus 7 gets you 77.

(iv) Ten times b is 42.

27. ABCD is a quadrilateral, is AB+ BC+ CD+ DA > AC +BD ?



OR

The diagonals of a rhombus measure 16 and 30 cm. find its perimeter.