KHANNUR VIDYANIKETHAN SCHOOL, RANEBENNUR

MID TERM EXAMINATION OCTOBER 2020

Grade – VII   **Subject – MATHEMATICS**   **Marks – 40**

(USE MATHEMATICS HW NOTEBOOK TO ANSWER)

General Instructions:

1) All the questions are compulsory.
2) This questions paper contains 16 questions divided into four sections A, B, C and D
   - ➢ Section A comprises 4 questions of 1 mark each.
   - ➢ Section B comprises 4 questions of 2 marks each.
   - ➢ Section C comprises 4 questions of 3 marks each.
   - ➢ Section D comprises 4 questions of 4 marks each.

Section – A

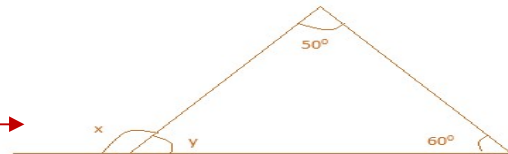**I) Fill in the blanks :**   **1x4=4**

1) $39 + (-24) - (15)$ ☐ $36 + (-52) - (-36)$ [Use <, > or =]

2) The number (standard form) for $3 \times 10^4 + 7 \times 10^2 + 5 \times 10^0$ is _____.

3) An equation for the statement "Ten times 'a' is 70" is _____.

4) Product of 101.01×0.01 is _____.

Section – B

II) Solve as directed: **2X4=8**

5) Verify that $a \div (b + c) \neq (a \div b) + (a \div c)$ *for the values of*
   $a = 12,\ b = -4$ and $c = 2$.

6) Find : $\frac{1}{2}$ of   a) $2\frac{3}{4}$ b) $4\frac{2}{9}$

7) Solve: $4(m + 3) = 18$

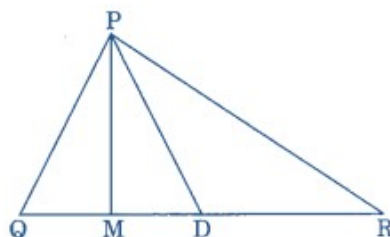8) Find the value of x and y in the figure. ⟶

Section – C

III) Do as directed: **3X4=12**

9) In a class test containing 10 questions, 5 marks are awarded for every correct answer
   (-2) marks are awarded for every incorrect answer and 0 for questions not attended.
   a) Mohan gets four correct and six incorrect answers. What is his score?
   b) Reshma gets five correct answers and five incorrect answers. What is her score?
   c) Heena gets two correct & five incorrect answer, out of seven questions she attempts.
      What is her score?

10) In Δ PQR, D is the mid point of $\overline{QR}$
    a) PM is _____
    b) PD is _____
    c) Is QM = MR?

P.T.O

11) Which is greater $\frac{2}{7}$ of $\frac{3}{4}$ OR $\frac{3}{5}$ of $\frac{5}{8}$

12) Simplify $\dfrac{3^5 X\ 10^5\ X\ 2^5}{5^7\ X\ 6^5}$

Section – D

III) Do as directed: 4X4=16

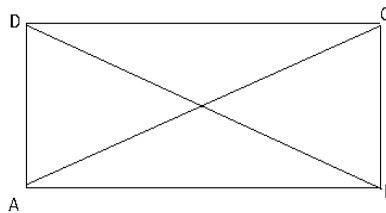13) Arrange $\frac{2}{9}$, $\frac{2}{3}$, $\frac{8}{21}$ in descending order.

14) a) If sum of three times 'x' and 11 is 32, find the value of 'x'.

   b) Raju's father's age is 5 years more than three times Raju's age.

   Find Raju's age, if his father is 44 years old.

15) ABCD is a quadrilateral.

   Is AB + BC + CD + DA > AC + BD?

16) Express each of the following as a product of prime factors only in exponential form:

   a) 108 X 192   b) 729 X 64

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