INSTRUCTIONS

1. You are required to utilize the first ten minutes for reading the question paper.
2. You will not be allowed to write during this time.
3. Write the main question number and the sub-question numbers correctly.
4. Neatness should be maintained by avoiding overwriting or striking out.

SECTION-A

(24 x 1 = 24)

1. Fill in the blanks:
   a) A ________ has only one end point.
   b) There is no ________ in the Roman system.
   c) 1 dg = ________ mg.
   d) Find 17/23 - 11/23 = ________.
   e) The H.C.F of 1 and any number is ________.
   f) 2001 m = ________ km ________ m.
   g) Write in the expanded notation: 156.75 = ________.
   h) At 9 p.m, the hands of a clock make a ________ angle.
   i) Convert into mixed fraction: 26/3 = ________.
   j) The sum of the lengths of a plane closed geometrical figure is called its ________.

k) Write in Hindu-Arabic numeral: XLI = ________.

l) The decimals having the same number of decimal places are called ________ decimals.
m) A triangle with two equal sides is called an __________ triangle.

n) Simplify to its lowest term: 35/42 = __________

o) If 'X' and 'Y' are coprime, their L.C.M is __________

p) 1/6 of 84 = __________

q) 10.05 __________ 10.50, (Put >, < or = as required)

r) A triangle can have at most __________ obtuse angle.

s) In Roman system, M stands for __________

t) The perimeter of a triangle having sides 3cm, 4cm and 5cm is __________

u) In a rectangle, the opposite sides are always __________

v) Arrange in ascending order: 0.02, 0.002, 0.2 = __________

w) The area of a rectangle is __________

x) Straight angle _____ Acute angle (Put >, < or = as required).

SECTION-B

(11 X 2 = 22)

1) Write in descending order: 5/9, 1/6, 7/18.

2) Express in decimal: 5327 / 1000 Hence find the place value of 2 in the decimal.

3) Look at the figure:

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   R
  /|
 / |
A- B
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Name the points which lie (i) Interior of \( \triangle ABC \)
(ii) Exterior of \( \triangle ABC \).

4) Write in Roman Numerals: (i) 40
   (ii) 75

5) Add: \( \frac{2}{3} + 5 \frac{1}{2} = \) __________

6) Convert: (i) 1040 mm = _____ m _____ mm
   (ii) 4567 g = _____ kg _____ g.

7) Find H.C.F of 16, 24, 40.

8) Subtract 9.2 from 90.02.
9) Find the perimeter of the figure:

10) Write two equivalent fractions of \( \frac{5}{7} \).

11) Look at the circle:

Name its
(i) Centre = _______
(ii) Radius = _______ (any one)
(iii) Diameter = _______
(iv) Chord = _______

SECTION-C

(6 \times 3 = 18)

1. a) Draw a circle with radius 4 cm.
   b) Also find the length of its longest chord.

2. a) Find the lowest two common multiples of 15 and 20
   b) Hence find its L.C.M.

3. The perimeter of a square is 48 cm. Find its area.

4. Write in Hindu-Arabic numerals: a) XXIX  b) XCV  c) XLI
5. a) Convert the following into like decimals: 12.02, 12.22, 12.2
b) Add the decimals: 9.5 + 7.05 + 8.325

6. Draw a 120 degree angle with the help of a protractor. What type of angle is it?

SECTION-D

Solve the problems:

1. A cloth merchant bought 340m 7 cm of cloth from the first shop, 225m 5 cm of cloth from the second shop and 140m 3 cm of cloth from the third shop. What is the total length of cloth he bought?

2. Mohan runs 10 rounds of a rectangular field with length 200m and breadth 100m everyday. How much distance does he cover everyday?

3. Rina spent Rs. 16 3/4 in buying bananas and grapes. If the bananas cost Rs. 5 1/2, what was the cost of the grapes?

4. A milk booth is supplied 300 litre of milk a day. On a particular day, the supply of milk by two vans were 145 litre, 560 millilitre, and 54 litre, 440 millilitre respectively. By how much was the supply of milk short?