SUB: MATHEMATICS   **STD: V**
TIME: 2 HOURS   **MARKS: 80**

Name : _____

Roll No: _____   Div.: _____

Note : Section A is to be answered on the question paper itself and attached to the answer booklet. Show all working alongside. Section B is to be answered in the answer booklet provided to you. Be neat.

Section A (40 Marks)

Q. I. Fill in the blanks:-   [10]

1. A number is divisible by ten if the digit in its ones place is _____

2. _____ is the only prime number between 90 and 100.

3. 268. 594 x 100 = _____

4. $\frac{30}{7}$ written as a mixed number is _____

5. 359 – 3.59 = _____

6. 15% of 5000= _____

7. If the radius of a circle is 6.5 cm, its diameter is _____

8. A toy car was bought for Rs.750 and sold for Rs 570. The seller made a loss of

   _____

9. $13\frac{1}{3} \div 10$ _____

10. _____ is the longest chord of a circle.

Q.II. a) Fill in the boxes using the correct sign. ($<$, $>$, $=$)   [4]
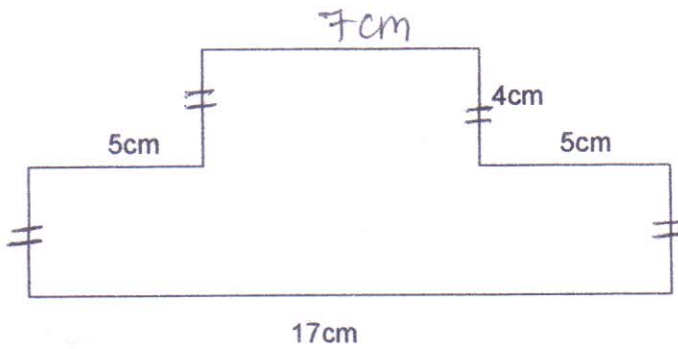
   i.   0.01   [   ]   0.0099

   ii. 5.978 [   ] $\frac{5978}{1000}$
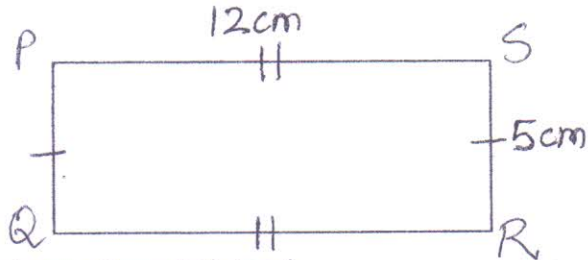
   iii. $\frac{1}{3}$ [   ] $\frac{1}{9}$

   iv. 25%   [   ]   0.25

b) Find the perimeter of the figure given below. [2]

_____
_____
_____
_____
_____
_____
_____
_____

C) Study the figure given below and answer the questions that follow. [4]

i. Identify the type of quadrilateral

_____

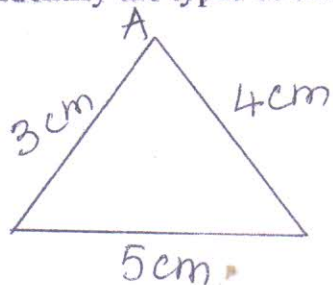ii. Find the perimeter of the quadrilateral

_____

_____

iii. PR is called the _____ of the quadrilateral.
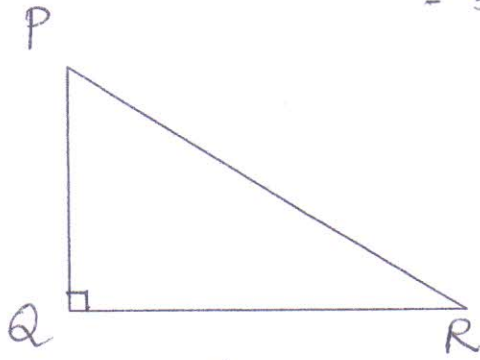
iv. If PR = 13 cm, then SQ = _____ cm.
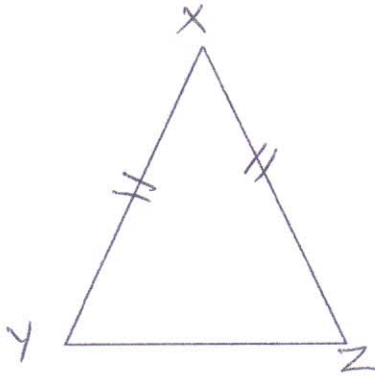
Q.III. a) Identify the types of triangles given below. [3]

i)

_____

ii)

P

Q R

iii)

X

Y Z

b) The population of a town is 7000. If 77% are females, find the number of   [3]
   female in the town. Also find the number of males in the town.

c) Simplify   [4]

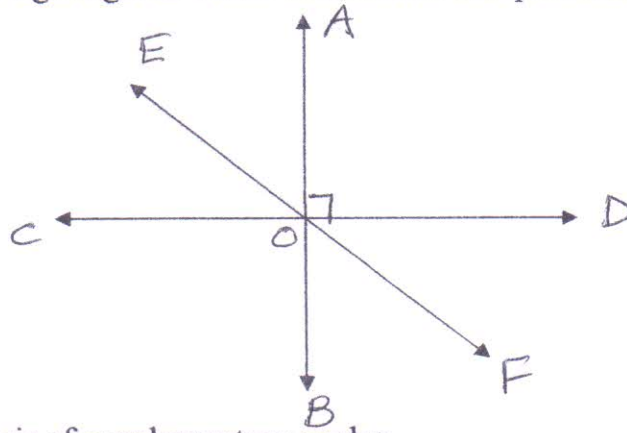   9.2 + 0.2 – 6.2 ÷ 6.2 X 6.2 of 0.2

°°°4/-

Q.IV. a) Gopal bought $1\frac{1}{2}$ kg potatoes, $3\frac{1}{4}$ kg tomatoes and $2\frac{3}{8}$ kg onion. What was the total quantity of vegetables he bought? [3]

_____

_____

_____

_____

_____

_____

b) Study the figure given below and answer the questions that follow: [3]

i) Name a pair of supplementary angles.

_____

ii) Name a pair of adjacent angles

_____

iii) Name a pair of vertically opposite angles.

_____

c) Calculate the simple interest and amount on Rs 8400 at $5\frac{1}{2}$% per annum for $4\frac{1}{2}$ years. [4]

_____

_____

_____

_____

_____

_____

_____

_____

SECTION – B (40 MARKS)

(This section is to be answered in the answer booklet provided to you)

Q.V. a) Construct △ LMN given MN = 5.7 cm, ∠M = 100° and ∠L = 50°.　　[4]
　　　Measure and record the length of side NL.

b) In an examination, Ravi secured the following marks.　　　　　　　　[3]
　　　　　English　　　　84
　　　　　Hindi　　　　　68
　　　　　Mathematics　　96
　　　　　Science　　　　84
　　　　　Social Science　73

Find his average marks in the examination.

c) Find the L.C.M. of 24, 30 and 35　　　　　　　　　　　　　　　　　[3]

Q.VI a) Simplify　　　　　　　　　　　　　　　　　　　　　　　　　　[4]

$$8 \left(\frac{13}{4} - \frac{15}{8} \right) \div 11$$

b) Mohan bought a table for Rs.34500 and sold it for Rs 36800. What was his　　(3)
　　gain percent?

c) Construct ∠XYZ of measure 125° and bisect it. Name the bisector of ∠XYZ　[3]

Q.VII. a) If the simple interest for 5 years is Rs.115.50. What will be the simple
　　　　　interest for 8 years on the same principal at the same rate?　　　　[3]

b) Do as directed
i) change into fraction in the lowest terms　　　　　　　　　　　　　　[2]
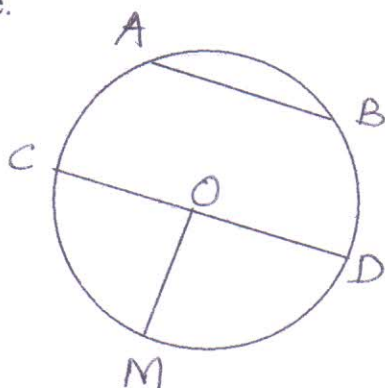　　　54%
ii) Change into decimal　　　　　　　　　　　　　　　　　　　　　　　[2]
　　　0.04%

iii) Find the difference　　　　　　　　　　　　　　　　　　　　　　　[3]
$13 \frac{4}{7} - 6$

Q.VIII. a) Draw line segment AB of length 8.7 cm. And bisect it. [2]

b) Refer to the figure given below and answer the questions that follow. O is the centre of the circle.

1. What do the segments given below represent in the figure drawn above? [3]
       i) Seg AB
       ii) Seg CD
       iii) Seg OM

2) If length CD = 11.8 cm then find length OM [1]

C) Simplify [4]

$$4[31 - 2\{19 - (11 - 3)\}]$$

— × —