ASSIGNMENT FOR THE SESSION 2013-2014

Class: VI **Subject : Mathematics** **Assignment No. 3**

1) Define the following :
i) point ii) line iii) plane iv) ray v) intersecting line

2) Draw any circle and mark :
a) its centre b) a diameter c) a sector d) an arc

3) Draw a rough sketch of a quadrilateral ABCD. State,
a) two pairs of opposite sides. b) two pairs of opposite angles.
c) two pairs of adjacent sides. d) two pairs of adjacent angles.

4) Construct two line segments of lengths 4.1cm and 3.3cm. Construct a segment whose length is equal to the sum of lengths of these segment.

5) Using a protector, construct angles of the following measures :
50^0, 95^0, 100^0

6) Define the following :
Scalene triangle, Isosceles triangle, Equilateral triangle, Acute angled triangle, Obtuse angled triangle, Right angled triangle.

7) Find the cost of fencing a square park of side 200 m at the rate of Rs 25 per metre.

8) Amrita runs around a square field of side 80 m. Babita runs around a rectangular field whose length is 90 m and breadth is 55 m. Who covers the larger distance and by how much?

9) Find the length of a rectangle given that its perimeter is 880m and breadth is 88m.

10) The perimeter of a triangle is 64 cm. Two of its sides measures 15 cm and 24 cm resp. Find the length of the third side of the triangle.

11) A hall is in the form of a rectangular region is 14m x 12m. How many slabs 8cmx6cm are needed to cover the floor of the hall?

12) A square field is of side 400m .Find its area & express it in hectares.

13) The area of a rectangle is 150 sq. cm. If one of its side is 10cm long, how long is its other side? Also, find the perimeter of the rectangle.

14) A worker is paid Rs 168 for 6 days. What wages would he get for 28 days?

15) Using a ruler & a compass, construct angles of the following measures :
30^0, 45^0, 75^0, 90^0, 105^0, 15^0

16) Draw a line segment of length 7.2 cm. Bisect it & measure the length of each part.

17) Draw an angle of measure 147^0 and construct its bisector. Also, write its steps of construction.

18) Define the following:
Range, Frequency, Data, Pictograph

19) Following are the no.of members in 20 families in a village :
5,9,4,8,8,7,6,7,6,6,6,2,8,5,7,5,8,9,7,6
Prepare a frequency distribution table for the data.

20) In a Primary School the no. of students in different classes are as follows :

CLASS		
	I	200
	II	120
	III	160
	IV	140
	V	120

Represent this data by a pictograph.

21) The following table shows the average rainfall in the month of June to Nov. in Mumbai :

Months	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.
Rainfall (in cm)	24	30	36	28	20	4

Draw the bar-graph & answer the following questions :

i) What is the highest rainfall in the season?

ii) Which month has the least rainfall?

iii) What is the total rainfall in the season?

22) Find the least number which when divided by 12, 16, 24 and 36 leaves a remainder 7 in each case.

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