CHOITHRAM SCHOOL MANIKBAGH INDORE

CLASS IX, SESSION: 2017-18

Subject: MATHEMATICS **Assignment No: 4**

Allotment Date: 02/02/18 **Submission Date: 07/02/18**

S.No	QUESTION	MARKS	LEVEL
	OBJECTIVE TYPE		
1	The ratio of TSA and CSA of a cube is (A) 2:3 (B) 3:2 (C) 1:1 (D 1:2	1 mark	Knowledge
2	With the help of ruler and compass, it is possible to construct an angle of (A) 32.5^0 (B) 42.5^0 (C)45^0 (D) 55^0	1 mark	Understanding
3	The TSA of a cube is $726m^2$ then its CSA will be be (A) $121m^2$ (B) $144m^2$ (C) $361m^2$ (D) $484m^2$	1 mark	H.O.T.
	SHORT ANSWER TYPE I		
4	The dimension of a cuboid are in the ratio 1 : 2 :3 and its total surface area is 88 m^2.Find the dimensions.	2 Marks	Knowledge
5	Construct the following angles and bisect them. (a)) 135^0 (b)) 75^0	2 Marks	Understanding
6	Draw a line segment AB of 6 cm, take a point P on it which is 2 cm away from A and draw a perpendicular at P.	2 Marks	logic
7	The area of a triangle whose each angle is 60^0 is $16\sqrt{3}$ m^2 find its perimeter.	2 Marks	H.O.T.
	SHORT ANSWER TYPE II		
8	Find the area of a trapezium whose parallel sides 25 cm, 13 cm and other two sides are 15 cm and 15 cm.	3 Marks	Understanding
9	Raman decided to donate a triangular shaped land to a school whose sides are 120m, 80m and 50m, how much area donated by him. **Comment on the decision of Raman**.	3 Marks	Value based
10	Construct a ΔABC in which BC = 5.6 cm, AC – AB = 1.6 cm and $\angle B = 45^0$	3 Marks	Multi concept
11	There are 50 rhombus shaped sheets, the perimeter of each of sheet is 40 m and one of the diagonal is 12 m long are to be painted on both the side at the rate of Rs $5/m^2$. Find the total cost of painting.	5 Marks	H.O.T.
12	Construct a ΔPQR whose perimeter is equal to 14 cm, $\angle P = 45^0$ and $\angle Q = 60^0$	5 Marks	Logic