CHAPTER - 11

Mensuration

Questions carrying 1 Mark each :-

Q.1 Write the formula to find the area of a parallelogram.

Q.2 Find the lateral surface area of a cube of edge a cm.

Q.3 1 Litre = _____ 1^3.

Question carrying 2 marks each:-

Q.4 The parallel sides of a trapezium are 12 m. and 8 m. and the distance between them is 6m. Find the area of the trapizium.

Q.5 A cuboidal wooden block contains 144 cu cm. of wood. If it is 6 cm. long and 3 cm. wide, find its height.

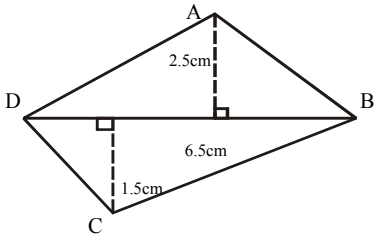
Q.6 The height of a cylinder is 15 cm. and curved surface area is 660 0^2. Find the radius of the cylinder.

Q.7 The total surface area of a cube is 96 m^2. Find its volume.

Q.8 The diagonals of a rhombus are of length 16 cm. and 30 cm. Find its area.

Questions carrying 3 marks each:-

Q.9 Find the area of the quadrilateral shown in figure:



Q.10 The area of a trapezium is 0 ^{2} and the distance between the parallel sides is 8m . Find the length of the parallel sides if they are in the ratio 3:4.

Q.11 Three cubes, each of edge 2 cm. long are placed together. Find the total surface area of the cuboid so formed.

Q.12 The rainfall on a certain day was 12 cm. How many liters of water fell on 3 hectares of land on that day?

Q.13 The daimeter of a road roller, 1m 40cm long is 80cm. If it takes 600 revolutions to level a playground, find the cost of levelling the ground at Rs. 3 per m^2.

Questions carrying 6 marks each:

Q.14 A rectangular sheet of aluminium foil is 44 cm. long and 20 cm. wide. A cylinder is made out of it, by rolling the foil along width. Find the volume of the cylinder.

Q.15 The perimeter of the floor of a hall is 250 m. If the height is 4 m, find the cost of painting the four walls at the rate of Rs. 12 per square meter.

Q.16 BY how many times do the volume and surface area of a cube increase if its edges get doubled.

Multiple choice Questions carrying 1 marks each:-

Q.17 If the edges of a cube are halved, then its volume become:

(a) 4 times (b) 8 times

(c) $\frac{1}{8}$ times (d) $\frac{0}{2}$ times

Q.18 The lateral surface area of a cylinder is

(a) $2\ ^{2}h$ (b) $\pi\pi rh$

(c) $2\,2\,2(2)\ h)$ (d) none of these.