TEST PAPER: MATHEMATICS

Time: 50 Minutes **Class: 8th C.B.S.E.**

Max. Marks: 30 Marks **Date: 5th December, 2018**

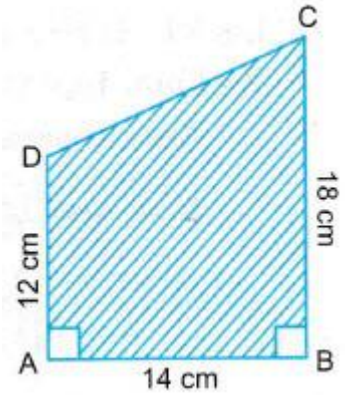
Marking Scheme: *Three questions carry 10 marks each. Questions have 3 subparts each. Subparts (a) and (b) carry 3 marks each and subpart (c) carries 4 marks.*

Question 1:

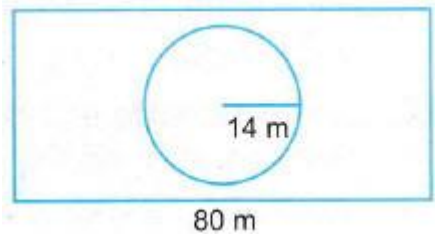
a. The surface area of the cuboid is 468 cm^2. Its length and breadth are 12 cm and 9 cm respectively. Find its height.
b. Find the height of cylinder whose radius is 7 cm and total surface area is 968 cm^2.
c. A square field has an area of 625 m^2. Find the cost of putting the fence round it at Rs. 32.50 per meter.

Question 2:

a. Find the area of the shaded region in the adjoining figure:



b. The perimeter of a square is 28 cm. Find its area.
c. A rectangular ground is 80 m long and 35 m broad. In the middle of the ground, there is a circular tank of radius 14 m. Find the cost of turfing the remaining portion at the rate of Rs. 21.50 sq. meter.



Question 3:

a. How many revolutions would a cycle wheel of diameter 40 cm make to cover a distance of 176 m?
b. The height of a parallelogram is one-third of its base. If the area of the parallelogram is 192 cm^2, find the height and the base.
c. The height of the trapezium of the area 162 cm^2 is 6 cm. If one of its base is 23 cm, find the other.