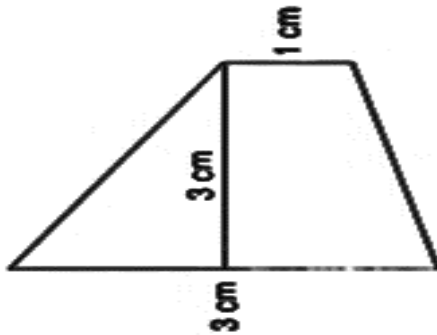


OBJECTIVE TYPE (1 Mark)

Q.1. The area of the trapezium is



- A** 6 cm^2 **B** 4 cm^2 **C** 3 cm^2 **D** 9 cm^2

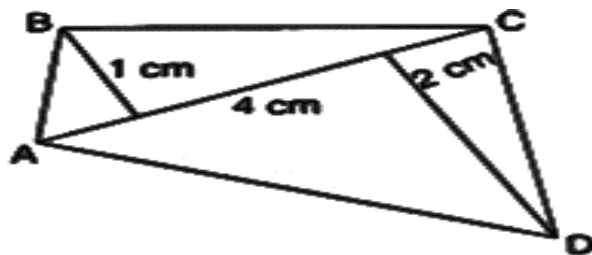
Q.2. The area of a rhombus is 60 cm^2 . One diagonal is 10 cm. The other diagonal is

- A** 6 cm **B** 12 cm **C** 3 cm **D** 24 cm

Q.3. The volume of a room is 80 m^3 . The area of the floor is 20 m^2 . The height of the room is

- A** 1 m **B** 2 m **C** 3 m **D** 4 m

Q.4. The area of the quadrilateral is



- A** 6 cm^2 **B** 12 cm^2 **C** 3 cm^2 **D** 8 cm^2

Q.5. The base radius and height of a right circular cylinder are 14 cm and 5 cm respectively. Its curved surface is

- A** 220 cm^2 **B** 440 cm^2 **C** 1232 cm^2 **D** 70 cm^2

Q.6.	If the volume of a cube is 64 cm^3 , its surface area is							
	A	16 cm^2	B	64 cm^2	C	96 cm^2	D	128 cm^2
Q.7.	The volume of a cuboid whose length, breadth and height are $2a$, $3a$ and $4a$ is							
	A	$20a^3$	B	$9a^3$	C	$12a^3$	D	$24a^3$
Q.8.	The curved surface area of a right circular cylinder of radius $2r$ and height $2h$ is							
	A	$2\pi rh$	B	$4\pi rh$	C	$8\pi rh$	D	$16\pi rh$
Q.9.	The perimeter of a trapezium is 52 cm and its each non-parallel side is equal to 10 cm with its height 8 cm . its area is							
	A	124 cm^2	B	118 cm^2	C	128 cm^2	D	112 cm^2
Q.10	If the lateral surface area of a cube is 324 cm^2 , then the total surface area if the cube is							
	A	864 cm^2	B	648 cm^2	C	468 cm^2	D	486 cm^2
Fill in the blanks(1mark)								
Q11	The volume of the cylinder whose height is 14 cm and diameter of base 4 cm is _____.							
Q12	The total surface area of a cube is 486 cm^2 . Its edge will be _____ cm.							
Q13	The cost of digging a cuboidal pit 6 m long, 4 m broad and 3 m deep at the rate of ₹250 per m^3 is _____.							
Q14	The area of a rhombus whose diagonals are 32 cm and 126 cm is _____.							
Q15	The volume of a cube whose edge is $5a$ is _____.							
SECTION B (2 marks)								
Q16	A milk tank is in the form of cylinder whose radius is 3 m and length is 14 m . Find the quantity of milk in litres that can be stored in the tank?							
Q17	The dimensions of a cuboid are in the ratio of $5 : 4 : 2$ and its total surface area is 1216 cm^2 . Find the dimensions.							
Q18	A cuboid is of dimensions $72 \text{ cm} \times 48 \text{ cm} \times 30 \text{ cm}$. how many small cubes of side 6 cm can be placed in the given cuboid.							

Q19	The area of a trapezium is 384 cm^2 . Its parallel sides are in the ratio 3:5 and the distance between them is 12 cm. Find the length of each parallel side.
Q20	The capacity of a cuboidal tank is 30,000 litres of water. Find the breadth of the tank, if its length and breadth are 4 m and 2.5 m.

SECTION C (4marks)

Q21	A suitcase with measures $40 \text{ cm} \times 24 \text{ cm} \times 12 \text{ cm}$ is to be covered with a tarpaulin cloth. How many meters of tarpaulin of width 48 cm is required to cover 100 such suitcases?
Q22	Which has a greater volume and by how much: A cuboid with length, breadth and height as 7 m, 14 m and 7 m. OR A cylinder with radius 7 m and height 14 m.
Q23	The volume of a cylinder is 1540 cm^3 . If it is 10 cm long, find: a) Radius of the base. b) Curved surface area. c) Total surface area. (take $\pi = \frac{22}{7}$)
Q24	A road roller takes 1500 complete revolutions to move once over to level a road. Find the area of the road if the diameter of a road roller is 168 cm and length is 2 m.
Q25	The walls and the ceiling of the walls are to be painted. The length, breadth and height of the room are 5 m, 4 m and 3 m respectively. a) Find the cost of painting the four walls and ceiling at the rate of ₹ 200 per m^2 ? b) Find the cost of tiling the floor at the rate of ₹ 50 per m^2 ? c) Find the total amount to be paid after painting the walls and the ceiling, tiling the floor?

Answers

Answers	1	A	2	B	3.	D	4	A
	5	B	6	C	7	D	8	C
	9	C	10	486 cm^2	11	176 cm^3	12	9 cm
	13	₹ 18,000	14	2016 cm^2	15	$125a^3$	16	3,96,000 litres
	17	Length = 20cm	18	480	19	24 cm, 40 cm	20	3 m

		Breadth=16cm Height=8cm						
21	72 m		22	686 m ³ , 2156 m ³ , Cylinder by 1470 m ³	23	a) 7 cm b) 440cm ² c) 748cm ²	24	15840 m ²
25	a) ₹14800 b) ₹1000 c) ₹15800							
