108 Days Online Coaching Day (91)~12/10/2021, Tuesday

Mensuration

Email *

m1@gmail.com

Place of the candidates *

Kozhikode ▾

Name of the candidates *

M1

Whatsapp number (Joined In Sai edn Coaching Platform) *

000000000

Questions

Please watch the online classes and answer the following questions.

1)If the sides of a triangle are 26 cm, 24 cm and 10 cm, what is its area? *   1 point

◉ 120 cm^2

◯ 130 cm^2

◯ 140 cm^2

◯ 111 cm^2

2)Find the area of trapezium whose parallel sides are 20 cm and 18 cm long, and the distance between them is 15 cm. *   1 point

◯ 289 cm^2

◉ 280 cm^2

◯ 200 cm^2

◯ 300 cm^2

3)Find the area of a parallelogram with base 24 cm and height 16 cm. *   1 point

◯ 380 cm^2

◉ 384 cm^2

◯ 200 cm^2

◯ Non of the above

4)A circle has a radius of 21 cm. Find its circumference and area. (Use π = 22/7) *   1 point

- ⦿ 1386 cm^2
- ◯ 138 cm^2
- ◯ 186 cm^2
- ◯ Non of the above

5)If one side of a square is 4 cm, then what will be its area and perimeter? *   1 point

- ◯ 15 cm
- ◯ 17 cm
- ⦿ 16 cm
- ◯ 11 cm

6)Suppose a quadrilateral having a diagonal of length 10 cm, which divides the   1 point
quadrilateral into two triangles and the heights of triangles with diagonals as the base, are 4 cm and 6 cm. Find the area of the quadrilateral. *

- ⦿ 50 sq.cm.
- ◯ 60 sq.cm.
- ◯ 55 sq.cm.
- ◯ 90 sq.cm.

7)A rhombus having diagonals of length 10 cm and 16 cm, respectively. Find its area *   1 point

○ 82cm^2

○ 12 cm^2

○ 99 cm^2

◉ 80 cm^2

8)The area of a trapezium shaped field is 480 m2, the distance between two parallel   1 point
sides is 15 m and one of the parallel sides is 20 m. Find the other parallel side. *

◉ 44 m

○ 34 m

○ 66 mm

○ 88 m

9)The height, length and width of a cuboidal box are 20 cm, 15 cm and 10 cm,   1 point
respectively. Find its area. *

○ 1200 cm^2

○ 1100 cm^2

◉ 1300 cm^2

○ 1000 cm^2

10)Find the height of a cylinder whose radius is 7 cm and the total surface area is 968 1 point
cm^2. *

⦿ 15 cm

◯ 10 cm

◯ 11 cm

◯ 111 cm

11) Find the height of a cuboid whose volume is 275 cm^3 and base area is 25 cm^2. * 1 point

⦿ 11 cm

◯ 10 cm

◯ 12 cm

◯ 13 cm

12)A rectangular piece of paper 11 cm × 4 cm is folded without overlapping to make a 1 point
cylinder of height 4 cm. Find the volume of the cylinder. *

◯ 30 cm^2

⦿ 38 cm^3

◯ 10 cm^2

◯ Non of the above

13)Find the volume and surface area of a cuboid 16m long, 14 m broad and 7 m high. * 1 point

○ 555 cm^2

● 868 cm^2

○ 700 cm^2

○ 100 cm^2

14)Find the length of the longest pole that can be placed in a room 12 m long, 8m broad and 9 m high. * 1 point

○ 10 m

● 17 m

○ 19 m

○ 20 m

15)The volume of a wall, 5 times as high as it is broad and 8 times as long as it is high, is 12.8 cu. meters. Find the breadth of the wall. * 1 point

○ 4 cm

● 40 cm

○ 44 cm

○ 60 cm

16)The area of the base of a rectangular tank is 6500 cm2 and the volume of water contained in it is 2.6 cubic meters. The depth of water in the tank is: *   1 point

○ 7 m

◉ 4 m

○ 66 m

○ 9 m

17)Given that one cubic cm of marble weighs 25 gms, the weight of a marble block 28   1 point
cm in width and 5 cm thick is 112 kg. The length of the block is: *

○ 56 cm

◉ 30 cm

○ 18 cm

○ 28 cm

18)The perimeter of a square is equal to twice the perimeter of a rectangle of length   1 point
10 cm and breadth 4 cm. What is the circumference of a semi-circle whose diameter is equal to the side of the square? *

○ 22 cm

◉ 36 cm

○ 19 cm

○ 44 cm

19)A circular wire of radius 49 cm is cut and bent in the form of a rectangle whose sides are in the ratio of 4:7. The smaller side of the rectangle is ? *

1 point

- ● 56 cm
- ○ 22 cm
- ○ 77 cm
- ○ 99 cm

20)If the sum of the length, breadth and height of a rectangular parallelepiped is 24 cm and the length of its diagonal is 15 cm, then its total surface area is *

1 point

- ● 351 cm^2
- ○ 31 cm^2
- ○ 371 cm^2
- ○ Non of the above

Thank you!