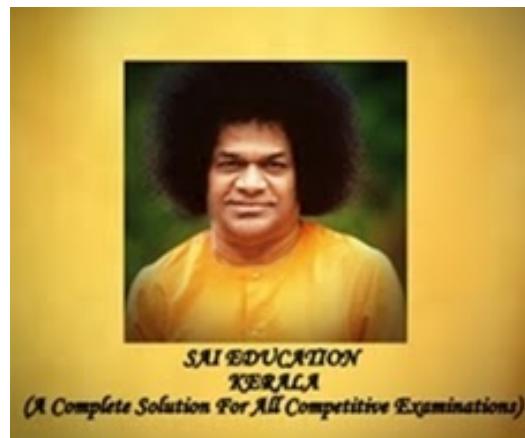# 108 DAYS ONLINE COACHING - DAY(102), 22/01/2020, WEDNESDAY

MATHS (MENSURATION)

NAME OF THE CANDIDATE *

M2 ▼

PLACE OF THE CANDIDATE *

Kannur ▼

WHATSAPP NUMBER(JOINED IN SAI EDUCATION ONLINE COACHING PLATFORM) *

555

QUESTIONS

PLEASE WATCH THE ONLINE CLASSES AND ANSWER THE FOLLOWING QUESTIONS
https://youtu.be/dY55PUSFvIw
https://youtu.be/WlekBwZ9Hus
https://youtu.be/ggC-tkTCPsQ
https://youtu.be/GAsXuPsLvP8

1. If the area of a triangle is 1344cm^2 and base:corresponding altitude is   1 point
6:7 ,then the altitude of the triangle is ? *

○ 54

◉ 56

○ 58

○ 60

2.Find the area of a right angled triangle if it's base is 12 cm and hypotenuse is 13cm. *

1 point

◉ 30

◯ 40

◯ 60

◯ 80

3.Find the area of the right angled triangle it's base is 14cm and perpendicular is 12cm *

1 point

◯ 64

◯ 104

◉ 84

◯ 94

4. Find the area of an equilateral triangle it's side is 8cm *

1 point

◉ 16√3cm2

◯ 14√3cm2

◯ 12√3cm2

◯ 18√3cm2

5. Find the area of an equilateral triangle if it's height is 2√3cm. *   1 point

○ 2√3cm2

⦿ 4√3cm2

○ 6√3cm2

○ 8√3cm2

6.Find the area of an equilateral triangle if it's perimeter is 24cm *   1 point

○ 14√3cm2

○ 18√3cm2

⦿ 16√3cm2

○ 20√3cm2

7. In a triangle ABC AB=AC,<A=70°,then<B =? *   1 point

○ 50°

⦿ 55°

○ 60°

○ 65°

8. Find the area of isoceles triangle if it's two sides are 8cm each * 1 point

○ 37

○ 47

◉ 32

○ 27

9. Find the base of an isoceles triangle if it's perimeter is 100cm and 1 point
equal sides are 14cm each *

○ 76

○ 74

◉ 72

○ 70

10. The diameter of a cylinder is 7cm and it's height is 16cm.Find the lateral surface area ? *

1 point

◉ 352cm2

○ 350cm2

○ 355cm2

○ 348cm2

11.The volume of a solid hemisphere is 19404cm3.Its total surface area is? *

1 point

◉ 4158cm2

○ 2858cm2

○ 1738cm2

○ 2038cm2

12. If the sides of a right angled triangle are 26cm,24cm & 10cm .What is   1 point
it's area? *

○ ● 120cm2

○ 135cm2

○ 140cm2

○ ,180cm2

13. A rectangular paper sheet of diameter 44×18cm is folded in the form   1 point
of a cylinder along its length.What will be the volume of this cylinder? *

○ 2709cm3

○ ● 2772cm3

○ 3992cm3

○ 3772cm3

14.The height of a cone is 24cm and ,CSA is 550cm2 ,then it's volumes? *   1 point

○ 1200cm3

○ ● 1232cm3

○ 1240cm3

○ 1260cm3

15. A conical cup is filled with ice creams.The ice cream forms a semi spherical shape on its open top .The height of the semi spherical part is 7cm.The radius of hemispherical part equals the height of the cone.Then the volume of cone ice-cream is? *

1 point

⊙ 1078cm3

◯ 1008cm3

◯ 7108cm3

◯ 7180cm3

16. If the area of triangle is 1176cm2 and base:corresponding altitude is 3:4,then the altitude of the triangle is? *

1 point

◯ 42cm

◯ 52cm

◯ 54cm

⊙ 56cm

17.Find the sum of angles except right angle. *   1 point

○ 180°

◉ 90°

○ 95°

○ 50°

18. Find the area of right angled triangle it's base is 11cm and   1 point
perpendicular is 10cm. *

◉ 55cm2

○ 65cm2

○ 85cm2

○ 102cm2

19.Find the area of an equilateral triangle if it's height is √6cm *   1 point

◉ 2√3cm2

○ 5√2cm2

○ 5√3cm2

○ 2√2cm2

20. Find the area of an equilateral triangle if it's perimeter is 36cm *   1 point

○ 5√3cm2

○ 3√5cm2

○ 5√5cm2

◉ 3√3cm2

21. In a triangle ABC,AB=AC,<A=80°,then <B is? *   1 point

◉ 50°

○ 60°

○ 70°

○ 80°

22.Find the volume of a cuboid of length 20cm,breadth 15cm and height   1 point
10. *

○ 1000

◉ 3000

○ 5000

○ 3050

23. The volume of the cuboid is 972m^3 .If it's length and breadth be 16 m   1 point
and 13.5m respectively.Find it's height. *

⦿ 4.5m

◯ 4m

◯ 4.8m

◯ 4.3m

24 .A drinking glass is in the shape of a frustum of a cone of height   1 point
14cm.The diameters of it's two circular ends are 4cm and 2cm.Find the
capacity of the glass. *

⦿ 102× 2/3

◯ 104×3/4

◯ 102×3/4

◯ 104×2/3

25.The volume of hemisphere is 2425×1/2cm^3.Find it's total surface area? *　　　　　1 point

○ 1039.5cm^2

○ 1049.5cm^2

○ 2059.5cm^2

○ 2049.5cm^2

THANK YOU

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