

14. Area of Surface

Q. ID: ITISKILL0926YH

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Question Paper

Duration: 30 Mins

Total Marks: 22

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Student Name: _____ Roll No: _____

1. What is the area of a circular surface if the radius is 14 cm?

- A) 614.5 cm^2 B) 612.44 cm^2
C) 615.44 cm^2 D) 612.25 cm^2

2. What is the radius of the semicircle, if the circumference of the semicircle is 28.26 cm?

- A) 8.75 cm B) 8.5 cm
C) 5.49 cm D) 6.49 cm

3. What is the circumference of a circle whose diameter is 7 cm?

- A) 44 cm B) 22 cm
C) 21 cm D) 25 cm

4. What is the area of the sector, if the diameter is 12 cm and the angle is 60 Degree?

- A) 17.75 cm^2 B) 18.84 cm^2
C) 18.0 cm^2 D) 19.00 cm^2

5. What is the area of the circle, if the circumference of the circle is 44cm?

- A) 128 cm^2 B) 130 cm^2
C) 129 cm^2 D) 154 cm^2

6. What is the length of arc of a sector, whose perimeter is 64.8cm and radius is 12.4 cm?

- A) 40.8 cm B) 42 cm
C) 45 cm D) 40 cm

7. What is the diameter of the circle, if the area of the circle is 706.5 cm^2 ?

- A) 30 cm B) 29 cm
C) 29.5 cm D) 30.5 cm

8. What is the diameter of the semicircle, if the circumference of the semicircle is 21.98 cm?

- A) 8 cm B) 7 cm
C) 7.55 cm D) 8.55 cm

9. What is the diameter of the circle, if the area of the circle is 78.5 cm^2 ?

- A) 10 cm B) 15 cm

- C) 5 cm D) 5.5 cm

10. What is the diameter of the circle, if the circumference is 31.4 cm?

- A) 8 cm B) 5 cm
C) 8.5 cm D) 10 cm

11. What is the radius of the circle, whose circumference is 440 cm?

- A) 70 cm B) 72.2 cm
C) 71.5 cm D) 70.5 cm

12. What is the name called biggest chord of the circle?

- A) Diameter B) Arc
C) Radius D) Diagonal

13. What is the name of the region of a circle between any two point on the circumference?

- A) Sector B) Arc
C) Chord D) Segment

14. What is the length of arc of a sector, whose radius is 15 cm and angle is 40 Degree?

- A) 9.75 cm B) 9.8 cm
C) 10.60 cm D) 10.4 cm

15. What is the area of the sector, whose diameter is 40 mm and angle is 120 Degree?

- A) 416.6 mm^2 B) 400.50 mm^2
C) 415.5 mm^2 D) 418.66 mm^2

16. What is the radius of the circle if the angle of sector is 90 Degree and the area of the circle is 196 cm^2 ?

- A) 14.95 cm B) 14.85 cm
C) 15.77 cm D) 15 cm

17. What is the radius of a circle whose diameter is 44 cm?

- A) 23 cm B) 20 cm
C) 22 cm D) 44 cm

18. What is the area of the semicircle, if the diameter is 14

cm?

- A) 70 cm^2 B) 75.06 cm^2
C) 86.93 cm^2 D) 76.93 cm^2
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19. What is the length of arc of a sector whose radius is 3.6 cm and angle is 36 Degree?

- A) 2.26 cm B) 22.6 cm
C) 2.10 cm D) 21.0 cm
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20. What is the area of the circle if the radius is 10 cm?

- A) 31.4 cm^2 B) 314 cm^2

- C) 30.4 cm^2 D) 3.14 cm^2
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21. What is the length of arc of the sector whose radius is 15 cm and the intended angle is 30 Degree?

- A) 6.75 cm B) 7.25 cm
C) 6.85 cm D) 7.85 cm
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22. What is the area of the circle, whose diameter is 50 cm?

- A) 1962.5 cm^2 B) 1960 cm^2
C) 1950 cm^2 D) 1900 cm^2
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