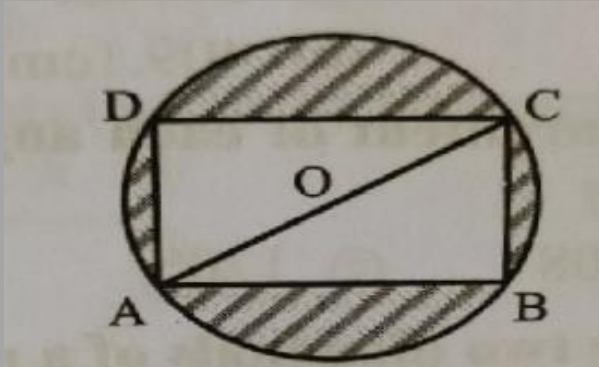


Creative Multiplication Choice Questions

1.



ABCD is a circle with centre O. ABCD is its internal rectangle. AB = 8 cm and BC = 6 cm then what is the area of shaded part? [D.B.- 20]

- a) 266.16 cm² b) 250.16 cm²
 c) 78.54 cm² d) 30.54 cm²

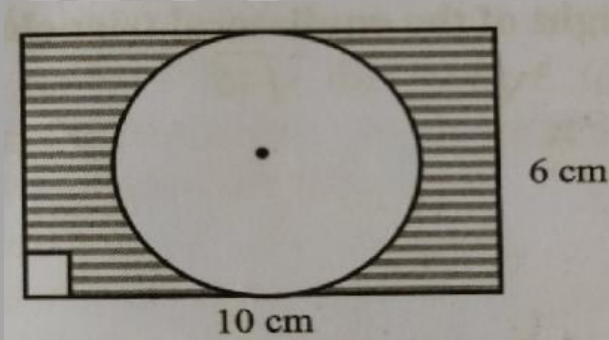
2. If the length of a perpendicular on the chord is 3 cm from the centre of a circle with radius of 5 cm then what is the length of that chord of the circle? [Dj.B.- 20]

- a) 16 cm b) 8 cm
 c) 4 cm d) 2 cm

3. The diameter of a circle is 26 cm. Then what is the area of the circle in square cm (approx.)? [S.B.- 20]

- a) 2123.72 b) 530.93
 c) 163.36 d) 81.68

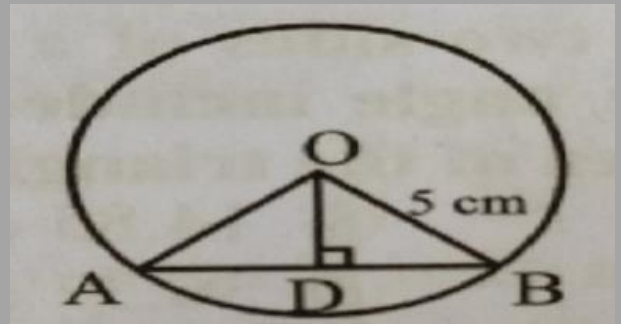
4.



What is the area of the shaded region of the rectangle in the figure? [J.B.- 20]

- a) 28.27 cm² b) 31.73 cm²
 c) 33.27 cm² d) 60 cm²

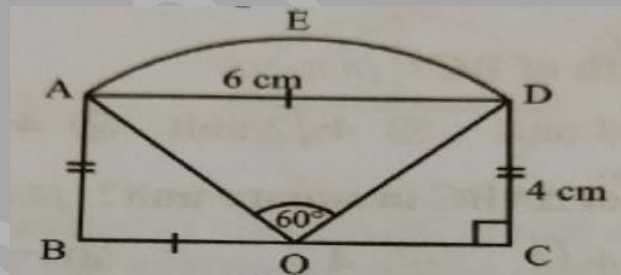
5.



O is the center of a circle and BD = 4 cm. What is the area of ΔOAB ? [Ctg.B.- 20]

- a) 10 cm² b) 12 cm²
 c) 20 cm² d) 24 cm²

Answer to the following questions No. (6 – 7) as per information from the picture below:



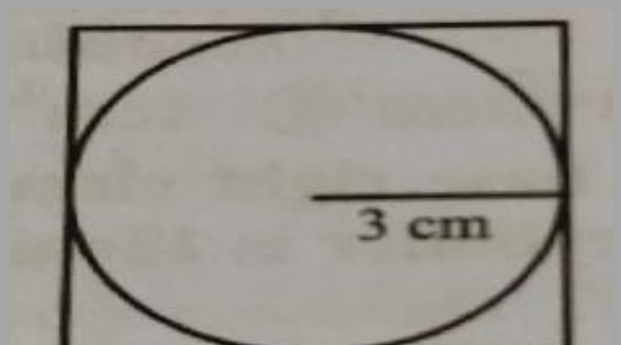
6. What is the length of the arc AED? [Ctg.B.- 20]

- a) 26.180 cm b) 13.09 cm
 c) 10.472 cm d) 5.236 cm

7. What is the area of the triangle AOB? [Ctg.B.- 20]

- a) 6 cm² b) 10 cm²
 c) 12 cm² d) 24 cm²

8.



In figure – [C.B.- 20]

- i. The length of square is 16 cm.
- ii. The circumference of the circle 12 cm.
- iii. The ratio of area of the circle and square is $\pi : 4$.

Which one of the following is correct?

- a) i and ii b) i and iii
c) ii and iii d) i, ii and iii

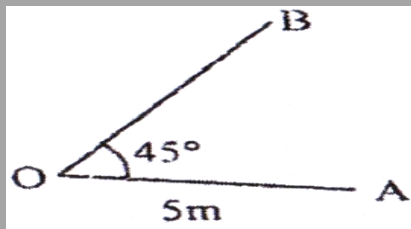
9. If radius of a circle is increased two times then what times will be the area increased? [R.B.- 19]

- a) 3 times b) 4 times
c) 8 times d) 9 times

10. Diameter of a wheel is 8 cm. What is the area of wheel? [Dj.B.- 19]

- a) $8\pi \text{ cm}^2$ b) $16\pi \text{ cm}^2$
c) $32\pi \text{ cm}^2$ d) $64\pi \text{ cm}^2$

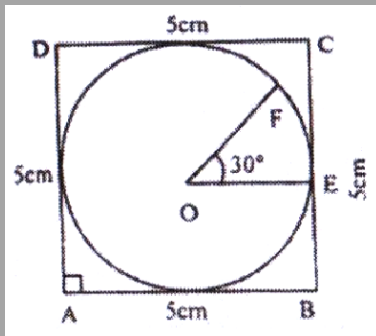
11.



What is the area of the circular segment AOB? [$\pi = 3.14$] [B.B.- 19]

- a) 1.96 sq. m (app.)
b) 3.93 sq. m (app.)
c) 9.81 sq. m (app.)
d) 78.5 sq. m (app.)

12.



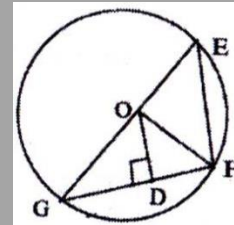
In figure then -

- i. The area of the square = 25 square cm.
- ii. The circumference of the circle = 15.71 cm.
- iii. Area of the circular segment EOF = 1.64 square cm.

Which one of the following is correct?

- a) i and ii b) i and iii
c) ii and iii d) i, ii and iii

According to the given information answer the questions no. (13 – 14):



O is the centre of circle, $GE = 10 \text{ cm}$ and $GD = 4 \text{ cm}$.

13. $\frac{1}{2} \angle EFG =$ What? [Dj.B.- 19]

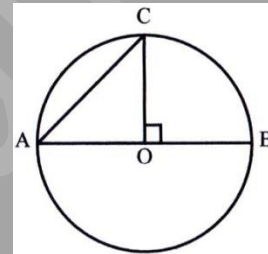
- a) 30° b) 45°
c) 60° d) 90°

14. What is the perimeter of $\triangle DOF$?

[Dj.B.- 19]

- a) 12 cm b) 13 cm
c) 16 cm d) 18 cm

Read the following statement and answer to the questions no. (15 – 16):



AB is the diameter of circle ABC which centre O.

15. What is the perimeter of the circle, where the length of arc ABC is $2\pi \text{ cm}$?

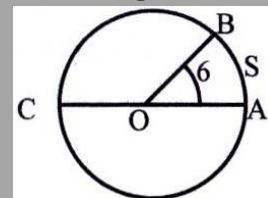
[S.B.- 19]

- a) $\pi \text{ cm}$ b) $4\pi \text{ cm}$
c) $2\pi \text{ cm}$ d) $4\pi \text{ cm}$

16. If $BO = 4 \text{ cm}$ then which is the value of AC? [S.B.- 19]

- a) $4\sqrt{2} \text{ cm}$ b) $4\sqrt{3} \text{ cm}$
c) 8 cm d) 32 cm

Answer to the questions No. (17 – 18) on the basis of above figure:



O is the centre of a circle and $AC = 12 \text{ cm}$, $\angle AOB = 60^\circ$.

17. Find the length of the arc AB. [J.B.- 19]

- a) 40.84 cm b) 12.57 cm
c) 6.28 cm d) 3.14 cm

18. What is the area of circular segment AOB? [J.B.- 19]

- a) 150.80 cm^2 b) 75.40 cm^2
 c) 40.84 cm^2 d) 18.85 cm^2

Answer to the questions No. (19 – 20) from the following stem:

AB = 10 cm, OE \perp AD, OE = 3 cm, AC \perp BC are in the circle ABCD with centre O.

19. What is the area of ΔOAE ? [D.B.- 19]

- a) 6 cm^2 b) 12 cm^2
 c) 15 cm^2 d) 20 cm^2

20. What is the perimeter of ΔACB ?

[D.B.- 19]

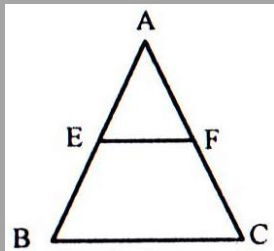
- a) 15.14 cm b) 20.14 cm
 c) 24.14 cm d) 30.14 cm

21. The diameter of a circle is 24 cm. What is its circumference in cm?

[All. B.- 18]

- a) 15.07 b) 37.7
 c) 75.4 d) 150.77

22.



If E, F are the mid-points of AB, AC respectively then which one below is correct? [Ctg.B.- 17]

- a) $AB \parallel AC$ b) $AB = BC$
 c) $BC = EF$ d) $BC = 2EF$

23. If the diameter of a circle is 26 metre then what is the circumference of the circle? [Dj.B.- 17]

- a) 13π b) 26π
 c) 39π d) 52π

24. If the diameter of a circle is 12 cm then what is the perimeter of it?

[S.B.- 17]

- a) 37.70 cm b) 75.40 cm
 c) 113.10cm d) 452.39 cm

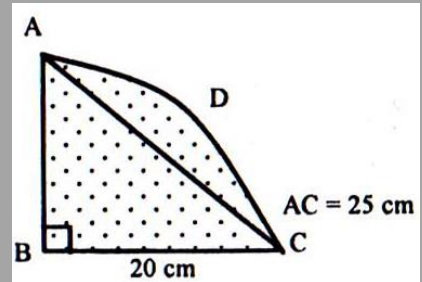
25. The diameter of circle is 28 cm. What is its circumference in cm? [B.B.- 17]

- a) 42.48 b) 87.96
 c) 48.94 d) 44.43

26. The radius of a circle is 5 cm and a circular segment subtends an angle 60° at the centre. What is the area of the circular segment? [S.B.- 16]

- a) 13.09 sq. cm b) 78.54 sq. cm.
 c) 31.42 sq. cm. d) 471.24 sq. cm.

According to the figure below answer to the questions no. (27 – 28):



27. What is the length of the arc ADC?

[J.B.- 16]

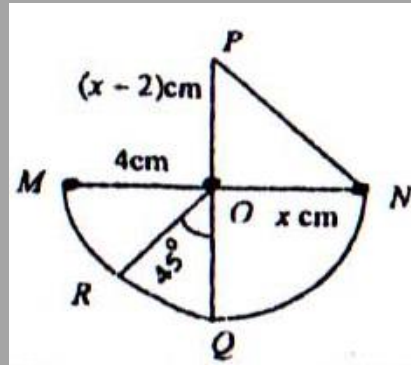
- a) 39.27 cm b) 78.54 cm
 c) 245.44 cm d) 490.88 cm

28. What is area of shaded region ABCD?

[J.B.- 16]

- a) 395.44 square cm
 b) 495.44 square cm
 c) 640.88 square cm
 d) 740.88 square cm

Answer to the questions No. (29 - 31) according to the following figure:



29. The difference of angles $\angle MON$ and $\angle QOR$ then what type of angle is formed? [Ctg.B.- 16]

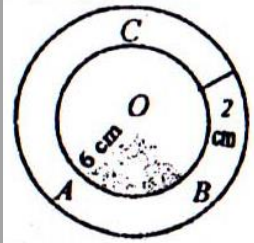
- a) Acute angle
 b) Supplementary angle
 c) Obtuse angle
 d) Reflex angle

30. What is the length of PN in cm?

[Ceg.B.- 16]

- a) $2\sqrt{7}$ b) 10
 c) 28 d) 100

31. What is the area of circular segment QON? [Ctg.B.- 16]
 a) 12.57 square cm (Approx)
 b) 25.13 square cm (Approx)
 c) 50.27 square cm (Approx)
 d) 100.53 square cm (Approx)

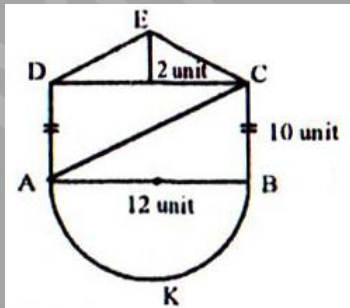


In the above figure there is a path with 2 metre width all around the circular field ABC with center O.

Answer to the questions No. (32 – 34) from the above information:

32. If $\angle AOB = 30^\circ$ then what is the length of the arc AB in centimeter? [C.B.- 16]
 a) 2.4561 b) 3.1416
 c) 4.2531 d) 6.3025
33. What is the area of the dark marked region in square centimeter? [C.B.- 16]
 a) π b) 2π
 c) 3π d) 4π
34. What is the area of the path? [C.B.- 16]
 a) 87.96 b) 113.09
 c) 201.06 d) 210.06

Answer to the questions no. (35 – 37) according to the information:

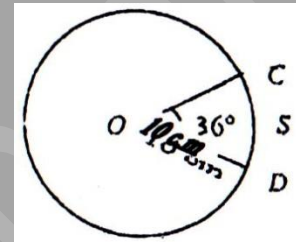


35. AC = What unit? [C.B.- 15]
 a) 13.52 (Approx)
 b) 14.12 (Approx)
 c) 15.01 (Approx)
 d) 15.62 (Approx)
36. What is square unit of the area of triangle CDE? [C.B.- 15]

- a) 12 b) 20
 c) 24 d) 120

37. What is the circumference of the half circle AKB? [C.B.- 15]
 a) 18 b) 18.85 (Approx)
 c) 37.7 (Approx) d) 96
38. A wheel rotates 18 times to cover 720 metre length then which is the perimeter of the wheel? [Dj.B.- 15]
 a) 40 meter b) 738 meter
 c) 702 meter d) 12980 meter

39.



What is the length of the arc CD in the above figure? [Ctg.B.- 15]

- a) 2π b) $\frac{\pi}{2}$
 c) $\frac{\pi}{18}$ d) $\frac{\pi}{36}$
40. If the radius of a circle is r then what is its circumference? [J.B.- 15]
 a) πr b) $2\pi r$
 c) πr^2 d) $2\pi r^2$
41. The area of a half circle is 25.135 square cm then what its radius? [B.B.- 15]
 a) 4 cm b) 3 cm
 c) 2 cm d) 1 cm
42. If the difference between the radius and circumference of a circle is 90 cm. What is the radius of the circle in cm?
 a) 21.01 b) 17.01
 c) 15.01 d) 13.01
43. If the area of a circle is equal to area of a square then what is the ratio of their perimeter?
 a) $2 : \pi$ b) $\sqrt{2} : \pi$
 c) $\sqrt{\pi} : 2$ d) $\sqrt{3} : \pi$