

Stream: General Aptitude

Branch: All

Subject: Area

Total Questions: 20 (Marks 20)

Q13. The difference of the areas of two squares drawn on two line segments in 32 sq. cm. Find the length of the greater line segment if one is longer than the other by 2 cm

- a) 9 cm
- b) 8 cm
- c) 7 cm
- d) 6 cm

Q14. The base of a triangle is 15 cm and height is 12 cm. The height of another triangle of double the area having the base 20 cm is :

- a) 22 cm
- b) 20 cm
- c) 18 cm
- d) 10 cm

Q15. If the area of a square with the side a is equal to the area of a triangle with base a , then the altitude of the triangle is

- a) a
- b) $a/2$
- c) $2a$
- d) None of above

Q16. The area of rhombus is 150 cm square. The length of one of its diagonals is 10 cm. The length of the other diagonal is:

- a) 15 cm
- b) 20 cm
- c) 25 cm
- d) 30 cm

Q17. Find the circumference of a circle, whose area is 24.64 meter square

- a) 17.90m
- b) 17.80m
- c) 17.60m
- d) 17.40m

Q18. If the radius of a circle is diminished by 10%, then the area is diminished by:

- a) 200%
- b) 210%
- c) 300%
- d) 310%

Q19. If the circumference of a circle increases from 4π to 8π , what change occurs in the area ?

- a) Area is quadrupled
- b) Area is tripled
- c) Area is doubles
- d) Area become half