

AREA

- 1) A housing society has been allotted a square piece of land measuring 2550.25 sq. m..What is the side of the plot .
a) 50.25 m. b) 50.5 m. c) 50.65 m. d) None of these
- 2) The perimeter of a square is 48 cm. The area of a rectangle is 4cm^2 less than the area of square. If the length of the rectangle is 14 cm then its perimeter is
a) 24cm b) 48cm c) 50cm d) 54cm.
- 3) The cost of fencing a square field @ Rs.20 per meter is Rs. 10,080. How much will it cost to lay a three meter wide pavement along the fencing inside the field @ Rs.50 per sq. meter.
a) Rs.37,350 b) 73,800 c) 77,400 d)None of these .
- 4) A Man walking at the speed of 4 km/ph crosses a square field diagonally in 3 min. The area of the field is
a) 18000m^2 b) 19000m^2 c) 20000m^2 d) 25000m^2
- 5) The area of a square field is 69696cm^2 . Its diagonal will be equal to
a) 313.296m b) 353.296m c)373.296m d) 393.296m.
- 6) What will be the length of the diagonal of that square plot whose area is equal to the area of a rectangular plot of length 45m and breadth 40m?
a) 42.5m b) 60m c) 75m d) None of these
- 7) If the ratio of area of two squares is 225:256 then the ratio of their perimeter is :
a) 225:256 b) 256:225 c) 15:16 d) 16:15
- 8) The side of the square is increased by five cm. the area increased 165 sq. cm. The side of the square is.
a) 12 cm b) 13cm c) 14cm d) 15cm
- 9) The area of a triangle is 216m^2 and its side are in the ratio 3:4:5 . The perimeter of the triangle is :
a) 6cm b) 12cm c) 36cm d) 72cm
- 10) One side of the right angled triangle is twice the other and the hypotenuse is 10 cm. The area of the triangle is :
a) 20cm^2 b) cm^2 c) 40cm^2 d) 50cm^2
- 11) The perimeter of a right angled triangle is 60 cm. Its hypotenuse is 26 cm. The area of the triangle is :
a) 120cm^2 b) 240cm^2 c) 390 d) 780cm^2

- 12) One side of parallelogram is 18 cm and its distance from the opposite side is 8 cm. The area of the parallelogram is
a) 48cm^2 b) 72cm^2 c) 100cm^2 d) 144cm^2
- 13) A parallelogram has sides 30 and 14 cm and one of its diagonals is 40 cm long. Then its area is
a) 168m^2 b) 336m^2 c) 372m^2 d) 480m^2
- 14) A circle and a rectangle have the same perimeter. The side of rectangle are 18 cm and 26 cm. What is the area of the circle ?
a) 88 cm^2 b) 154cm^2 c) 1250cm^2 d) None of these
- 15) The difference between the circumference and the radius of a circle is 37 cm. The area of the circle is
a) 111cm^2 b) 148cm^2 c) 154cm^2 d) 25cm^2
- 16) A wire can be bent in the form of a circle of radius 56 cm. If it is bent in the form of a square then its area will be
a) 3520cm^2 b) 6400cm^2 c) 7744cm^2 d) 8800cm^2
- 17) The diameter of a wheel is 1.26m. how far will it travel in 500 revolutions?
a) 1492m b) 1980m c) 2530m d) 2880m.
- 18) A circular ground whose diameter is 35m has a 1.4 m broad garden around it. What is the area of the garden in sq .m.
a) 160.16 b) 176.16 c) 196.16 d) None of these
- 19) A circular garden has a circumference of 440m. There is a 7m wide border inside the garden along its periphery. The area of the border is
a) 2918m^2 b) 2921m^2 c) 2924m^2 d) 2926m^2
- 20) What will be the area of a semi-circle of 14m diameter.
a) 22m^2 b) 77m^2 c) 154m^2 d) 208m^2

ANSWER KEY

1	B
2	B
3	B
4	C
5	C
6	B
7	C
8	C
9	D
10	A
11	B
12	D
13	D
14	D
15	C
16	C
17	B
18	A
19	D
20	B