

ICS Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	Two circles of radius 3 cm and 4 cm touch each other externally. The distance between their centers is:	A. 1 cm B. 7cm C. 4cm D. 5cm
2	Equation of a line parallel to x-axis:	A. $x = 0$ B. $x = y$ C. $y = a$ D. $x = a$
3	The line $y = a$ is below the x-axis, if:	A. $a > 0$ B. $a < 0$ C. $a = 0$
4	For any point (x, y) and y - axis:	A. $y = 0$ B. $y = -1$ C. $y = 1$ D. $x = 0$
5	The directrix of the parabola $x^2 = 4ay$ is:	A. $x = a$ B. $x = -a$ C. $y = a$ D. $y = -a$
6	The number e denotes the _____ of the conic:	A. Directrix B. Vertex C. Focus D. Eccentricity
7	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Even B. Odd C. One-one D. Zero
8	If a straight line is perpendicular to x-axis, then its slope is:	A. 0 B. 1 C. 2 D. Undefined
9	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
10	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
11	If r is the radius of any circle and C its center, then any point $P(x_1, y_1)$ lies on the circle only if:	A. $ CP < r$ B. $ CP > r$ C. $ CP = r$ D. None of these
12	Distance of the point $(-3, 7)$ from x-axis is:	A. 3 B. -3 C. 7 D. 10
13	Two real and distinct tangents can be drawn to a circle from any point $P(x_1, y_1)$ _____ the circle:	A. Inside B. On C. Outside D. None of these
14	The distance between the points $(1, 2), (2, 1)$.	A. 1 D. 2
15	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Line parallel to x-axis B. Line parallel to y-axis C. Line passing through the origin D. Both (a) and (b)
16	The axis of the parabola $y^2 = 4ax$ is:	A. $x = 0$ B. $x = a$ C. $y = 0$ D. $y = a$
17	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $\sin x$ B. $\cos x$ C. $-\sin x$ D. $-\cos x$

D. $-\cos x$

18 Question Image

19 Question Image

20 Question Image

- A. $x = 0$
- B. $y = -a$
- C. $y = 0$
- D. $y = -a$