

FA Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	Question Image	A. Left or right B. Upper or lower C. Open D. None of these
2	The point where the axis meets the parabola is called _____ of the parabola:	A. Directrix B. Vertex C. Focus D. Eccentricity
3	Question Image	
4	Question Image	A. $e^{2x} \sin x + c$ B. $e^{2x} \cos x + c$ C. $-e^{2x} \sin x + c$ D. $-e^{2x} \cos x + c$
5	Question Image	A. x with respect to y B. y with respect to y C. y with respect to x D. x with respect to x
6	One of the angles of a triangle inscribed in a circle is of 40° . If one of its' the diameter, the other angles have the measures:	A. $30^\circ, 110^\circ$ B. $40^\circ, 100^\circ$ C. $50^\circ, 90^\circ$ D. $20^\circ, 120^\circ$
7	The axis of the parabola $x^2 = 4ay$ is:	A. $x = 0$ B. $x = -a$ C. $y = 0$ D. $y = -a$
8	The inequality $y > b$ is the open half plane to the _____ of the boundary line $y = b$:	A. Above B. Left C. Below D. Right
9	The inequality $x < a$ is the open half plane to the _____ of the boundary line $x = a$:	A. Above B. Left C. Below D. Right
10	Question Image	C. 2 D. 1
11	If $(1, x)$ is the mid point of the line segment joining the points $(1, 2)$ & $(1, 6)$ then $x =$	A. 1 B. 2 C. 3 D. 4
12	If equation of circle is $(x - h)^2 + (y - k)^2 = r^2$, then center of a circle:	A. $(-h, -k)$ B. (h, k) C. $(-h, k)$ D. $(h, -k)$
13	If a point lies inside a circle, then its distance from the center is:	A. Equal to the radius B. Less than the radius C. Greater than the radius D. Equal to or greater than the
14	The graph of the parabola $y^2 = -4ax$ is symmetric about:	A. x-axis B. $y = x$ C. y-axis D. None of these
15	Question Image	A. $\operatorname{cosec} x + c$ B. $-\operatorname{cosec} x + c$ C. $\cot x + c$ D. $-\cot x + c$
16	If a straight line is perpendicular to y-axis, then its slope is:	A. 1 B. -1 C. 0 D. undefined

17	The vertex of the parabola $y^2 = -4ax$ is:	A. $(-a, 0)$ B. $(a, 0)$ C. $(0, -a)$ D. $(0, 0)$
18	If the equation of the parabola is $x^2 = 4ay$, then opening of the parabola is to _____ of the x-axis:	A. Left B. Upward C. Right D. Downward
19	The point of a parabola which is closest to the focus in the:	A. Directrix B. Vertex C. Focus D. Chord
20		A. One variable B. Three variable C. Two variable D. Four variable