

FSC Part 2 Mathematics Full Book Online Test

Sr	Questions	Answers Choice
1	If the equation of the parabola is $y^2 = -4ax$, then opening of the parabola is to the of the y-axis:	A. Left B. Upward C. Right D. Downward
2	Length of tangent from (0,1) to $x^2 + y^2 + 6x - 3y + 3 = 0$	A. 2 B. 1 C. 4 D. 3
3	A function, in which the variables are numbers, then function is called a real valued function of real numbers.	A. Complex B. Rational C. Real D. None of these
4	If the directed distances AP and PB have same signs, then their ratio is positive and P is said to divide AB:	A. Internally B. May be divide C. Externally D. None of these
5	Question Image	A. 3 B. 4 C. 5 D. 6
6	The ratio between the measure of the radial segment and the diameter of a circle is:	A. 2:1 B. 4:3 C. 1:2
7	The region of the graph ax + by > c is called half plane:	A. Open B. Boundary of C. Closed D. None of these
8	$f(x) = \sin x + \cos x$ is function:	A. Even B. Odd C. Composite D. Neither even nor odd function
9	Question Image	
10	Question Image	A. Above B. Left C. Below D. Right
11	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
12	The equation to the straight line which passes through the point $(2,9)$ and makes an angle of 45° with x-axis is:	A. $x + y + 7 = 0$ B. $x - y + 7 = 0$ C. $y - x + 7 = 0$ D. None of these
13	Question Image	A. cosech x coth x Bcosech ² x Ccosech x coth x
14		D. cosech ² x
	Question Image	D. cosech ² x
15	Question Image Question Image	D. cosech ² x A. domain B. range C. lower limit D. upper limit
		A. domain B. range C. lower limit

A. x-axis

17	The opening of the parabola $x^2 = 4ay$ is upward of the:	B. y = c C. y - axis D. x = y
18	The vertex of the parabola $y^2 = 4ax$ is:	A. (-a, 0) B. (a, 0) C. (0, -a) D. (0, 0)
19	Which one is a constant function ?	A. f(x) = x ² B. f(x) = x C. f(x) = x + 1 D. f(x) = 14
20	Question Image	A. 0 B. 2 C. 3 D. 1