

FSC Part 2 Mathematics Full Book Online Test

Sr	Questions	Answers Choice
1	If a variable y depends on a variable x in such a way that each value of x determines exactly one value of y, then y is a of x.	A. Independent variable B. Not function C. Function D. None of these
2	Question Image	
3	Question Image	A. 1 (1 - 4) B. 2x - 3 C. x - 3 D. x ³ - 3x
4	Question Image	A. Free vector B. Unit vector C. Null vector D. None of these
5	ax + by < c is an inequality of:	A. One variable B. Threevariable C. Twovariable D. Fourvariable
6	The point (5, 8) lies the line $2x - 3y + 6 = 0$	A. Above B. Below C. On D. None
7	There are feasible solutions in the feasible region:	A. Finitely B. Two C. Infinitely many D. Three
8	The point where the axis meets the parabola is called of the parabola:	A. Directrix B. Vertex C. Focus D. Eccentricity
9	A line segment whose end points lie on the circle is called a of the circle.	A. Radius B. Chord C. Diameter D. None of these
10	Question Image	D. 2
11	Question Image	A. domain B. range C. lower limit D. upper limit
12	The equation of the latus-rectum of the parabola $y^2 = 4ax$ is:	A. x = a B. x = -a C. y = a D. y = -a
13	Question Image	A. 1 B. 2 C. 3 D. 0
14	If $y = (x)$, then the variable x is called variable of a function f.	A. Dependent B. Independent C. Image of y D. None of these
15	The parabola y^2 = 4ax lies in quadrants:	A. I and II B. III and IV C. II and III D. I and IV
16	Distance of the point (-3, 7) from x-axis is:	A. 3 B3 C. 7 D. 10

17	The conic is an ellipse, if:	A. e = 1 B. e > 1 C. 0 < e < 1 D. e = 0
18	Question Image	A. cosec x + c Bcosec x + c C. cot x + c D cot x + c
19	Two arcs of two different circles are congruent if:	 A. The circles are congruent B. The corresponding central angles are congruent C. Both a and b D. None of the above
20	Question Image	A. equal to each other B. not equal to each C. nearly equal to each other D. none of these