

FSC Part 2 Mathematics Full Book Online Test

Sr	Questions	Answers Choice
1	In the translation of axes which formula is true:	A. $x = X + h$ B. $X = x + h$ C. $x + X = h$ D. None
2	$y - y_1 = m (x - x_1)$ is the equation of straight line in:	A. Slope-intercept form B. Point-slope form C. Normal form D. Intercepts form
3	Question Image	
4	If the focus lies on the x-axis with coordinates $F(a, 0)$ and directrix of the parabola is $x = -a$ then the equation of parabola is:	A. $x^2 = 4ay$ B. $y^2 = 4ax$ C. $-x^2 = 4ay$ D. $-y^2 = 4ax$
5	the focal chord perpendicular to the axis of the parabola is called _____ of the parabola:	A. Directrix B. Latus rectum C. Focus D. Focal chord
6	Question Image	A. Unit Vector B. Null vector C. Position vector D. None of these
7	If a straight line is perpendicular to x-axis, then its slope is:	A. 0 B. 1 C. 2 D. Undefined
8	In equation of circle, coefficient of each of x^2 and y^2 are:	A. Not equal B. Opposite in signs C. Equal D. None of these
9	Question Image	A. At B. Not on C. On D. None of these
10	Point of intersection of lines $x - 2y + 1 = 0$ and $2x - y + 2 = 0$ equals:	A. (1, 0) B. (0, 1) C. (-1, 0) D. (0, -1)
11	The ordered pair _____ is a solution of the inequality $x + 2y < 6$.	A. (3, 3) B. (1, 1) C. (4, 4) D. (5, 5)
12	A quadrilateral having two parallels and two non-parallel sides is called:	A. Trapezium B. Rectangle C. Rhombus D. None of these
13	If s is the distance traveled by a body at time t , the velocity is given by the expression:	
14	The symbol $y = f(x)$ i.e. y is equal to f of x , invented by Swiss mathematician-----:	A. Euler B. Cauchy C. Leibniz D. Newton
15	Question Image	A. $\tan x$ B. $\cot x$ C. $-\tan x$ D. $-\cot x$
16	Question Image	A. $4a$ B. $2a$ C. $4b$ D. $2b$

17	Which one is an identity function ?	B. $f(x) = g(x)$ C. $f(x) = x$ D. $f(x) = 1$
18	Question Image <input type="text"/>	C. 2 D. 1
19	Question Image <input type="text"/>	A. Line B. Parabola C. Ellipse D. Hyperbola
20	An integral of $3x^2$ is:	A. $x^3 + c$ B. 3 C. $6x$ D. $x^2 + c$