

## FSC Part 2 Mathematics Full Book Online Test

Sr	Questions	Answers Choice
1	Question Image	A. a cosec (ax + b) D. cot (ax + b)
2	The area A of a circle as a function of its circumference C is:	
3	Question Image	A. 90° B. 30° C. 60° D. 0°
4	If $f(x) = \cos x$ then $f'(0)$ is equal to:	A. 0 B1 C. 1
5	An integral of $3x^2$ is:	A. x <sup>3</sup> +c B. 3 C. 6x D. x <sup>2+c</sup>
6	Question Image	
7	The ratio in which y-axis divides the line joining (2, -3) and (-5, 6) is:	A. 2:3 B. 2:5 C. 1:2 D. 3:5
8	Question Image	A. domain B. range C. lower limit D. upper limit
9	$\cosh^2 x + \sinh^2 x =$	A. Cosh x <sup>2</sup> B. Cosh 2x C. Sinh 2x D. Tanh 2x
10	Question Image	A. Derivative B. Differential C. Integral D. None of these
11	Let $f(x) = x^3 + \sin x$ , then $f(x)$ is:	A. Even function B. Odd function C. Power function D. None of these
12	Question Image	A. Implicit B. Explicit C. Exponential D. Logarithmic
13	There are feasible solutions in the feasible region:	A. Finitely B. Two C. Infinitely many D. Three
14	If in the case of translation of axes, O (-3, 2), $(x, y) = (-6, 9)$ then $(X, Y) =$	A. (-3, 9) B. (-3, 7) C. (-9, 11) D. (3, 7)
15	Area between x-axis and the curve:	A. 32 D. 16
16	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
17	Question Image	A. 0 B. 1 C. e D. Does not exist

18	y - y1 = m ( $x - x1$ ) is the equation of straight line in:	A. Slope-intercept from B. Point-slope from C. Normal form D. Intercepts form
19	f(x) is odd function. If and only if:	A. $f(-x) = -f(x)$ B. $f(-x) = f(x)$ C. $f(x) = 3f(-x)$ D. $f(x) = -3f(-x)$
20	Question Image	A. Line parallel to x - axis B. Line parallel to y - axis C. Inclined D. Both (a) and (b)