

FSC Part 2 Mathematics Full Book Online Test

Sr	Questions	Answers Choice
1	Question Image	A. tan x + c B tan x + c C. sec x tan x + c D sec x tan x + c
2	Question Image	
3	Question Image	A. Integral B. Indefinite integral C. Differential D. Definite integral
4	In the case of rotation of axes which formula is true:	
5	Question Image	C. 0 D. 1
6	Question Image	A. cot x B cot x C. cosec x cot x Dcosec x cot x
7	$\cosh^2 x + \sinh^2 x =$	A. Cosh x ² B. Cosh 2x C. Sinh 2x D. Tanh 2x
8	Question Image	
9	Question Image	C. 28 D. 29
10	The vertex of the parabola $x^2 = -4ay$ is:	A. (a, 0) B. (0, 0) C. (0, -a) D. (0, a)
11	Angle between the lines x + y + 1 = 0 & x - y + 4 = 0 is:	A. 30° B. 45° C. 60° D. 90°
12	If the cone is cut by a plane perpendicular to the axis of the cone, then the section is a / an:	A. Parabola B. Circular cone C. Ellipse D. Circle
13	Two circles of radius 3 cm and 4 cm touch each other externally. The distance between their centers is:	A. 1 cm B. 7cm C. 4cm D. 5cm
14	If the graph of f is entirely above the x-axis, then the definite integral is:	A. Positive B. Positive or negative C. Negative D. Positive and negative
15	Question Image	A. 2cosh x B. 2sinh x C. 2sinh (2x) D2sinh (2x)
16	For different values of k, the equation $4x + 5y = k$ represents lines to the line $4x + 5y = 0$.	A. Perpendicular B. Parallel C. Equal D. None of these
17	Question Image	A. 2 - 7 B. 2 + 7
18	Inclination of Y-axis or of any line parallel to Y-axis is:	B. Zero D. Undefined
		A. x ² + y ²

19	If r is the radius of the circle and its center is at origin, then equation of circle is:	- a-sup-2-/sup> B. x ² + y ² = r ² C. x ² - y ² = a ² D. x ² - y ² = r ² = r ²
20	Question Image	A. 0 B. 2 C. 3 D. 1