FSC Part 2 Mathematics Full Book Online Test

Sr	Questions	Answers Choice
1	Which one is not an exponential function ?	
2	Question Image	A. ln |sec x + tan x | + c B. ln |cosec x - cot x | + c C. ln |sec x - tan x | + c D. ln |cosec x + cot x | + c
3	Question Image	A. Integration B. Integrand C. Constant of integration D. None of these
4	Question Image	A. Volume of the tetrahedron B. Volume of the parallelepiped C. Volume of the triangle D. None of these
5	Question Image	A. Integration by parts B. Definite integral C. Differentiation D. None of these
6	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
7	If the directed distances AP and PB have the opposite signs, i.e; p is beyond AB, then their ratio is negative and P is said to divide AB:	A. Internally B. May divide C. Externally D. None of these
8	Question Image	
9	A line perpendicular to a radial chord of a circle at the end-point (which lies on the circle) is a:	A. Secant B. Diameter C. Chord D. Tangent
10	If the radius of a circle is zero, then the circle is called a / an:	A. Circle B. Circular cone C. Ellipse D. Point circle
11	If a pair of opposite sides of a quadrilateral are equal and parallel then it is:	A. Rectangle B. Rhombus C. Parallelogram D. None of these
12	The area A of a circle as a function of its circumference C is:	
13	A pair of lines of homogeneous second degree equation $ax^2 + 2hxy + by^2 = 0$ are othogonal, if:	A. a - b = 0 B. a + b = 0 C. a + b > 0 D. a - b < 0
14	x = c is a vertical line parallel to _____.	A. x-axis B. y-axis may be C. y-axis D. None of these
15	Which of the following is not a vector quantity ?	A. Weight B. Mass C. Force D. Velocity
16	Question Image	A. Position vector of O B. Position vector of P C. Unit vector D. Null vector
17	x = a is a vertical line perpendicular to _____.	A. x - axis B. x - axis may be C. y - axis

		D. None of these
18	Question Image	
19	Every relation, which can be represented by a linear equation in two variables, represents a:	A. Graph B. Function C. Cartesian product D. Relation
20	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