FSC Part 2 Mathematics Full Book Online Test

Sr	Questions	Answers Choice
1	Question Image	A. 2 - 7 B. 2 + 7
2	If a circle and a line intersect in two points, then the line is called:	A. A chord B. A secant C. A diameter D. None of these
3	General form of equation of line is:	A. ax - by + c = 0 B. ax + by - c = 0 C. ax + by + c = 0 D. ax - by - c = 0
4	Angle between the lines x + y + 1 = 0 & x - y + 4 = 0 is:	A. 30° B. 45° C. 60° D. 90°
5	Question Image	A. Undefined B. 3a² C. a² D. 0
6	Question Image	A. Left or right B. Upper or lower C. Open D. None of these
7	Which of the following is not a vector quantity ?	A. Weight B. Mass C. Force D. Velocity
8	Question Image	A. sin x B. -cos x C. -sin x D. cos x
9	$\text{Cosh}^2 x - \text{Sinh}^2 x =$	A. 1 B. -1 C. 2 D. -2
10	Two non parallel lines intersect each other at:	A. 1 point B. 2 points C. 3 points D. 4 points
11	The Maclaurin series expansion is valid only if it is:	A. Convergent B. Divergent C. Increasing D. Decreasing
12	Non-vertical lines divide the plane into_____half plane:	A. Upper and lower B. Many C. Left and Right D. None of these
13	Question Image	A. sec x tan x B. sec²x C. -sec x tan x D. -sec²x
14	Question Image	A. Implicit B. Explicit C. Exponential D. Logarithmic
15	Question Image	A. tan x B. cot x C. - tan x D. - cot x
		A. Trapezium

16	A quadrilateral having two parallels and two non-parallel sides is called:	B. Rectangle C. Rhombus D. None of these
17	Question Image	A. 0 B. 1 C. -1 D. 2
18	If a point lies inside a circle, then its distance from the center is:	A. Equal to the radius B. Less then the radius C. Greater then the radius D. Equal to or greater than the
19	If y = f(u) and u = F(x), then:	
20	Let f(x) = cos x, then f(x) is an:	A. Even function B. Odd function C. Power function D. None of these