

FA Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	Question Image	A. e ^{-x} sin x + c Be ^{-x} sin x + c C. e ^{-x} cosx + c De ^{-x} sin x + c
2	x = a is a vertical line perpendicular to	A. x - axis B. x - axis may be C. y - axis D. None of these
3	$\cosh^2 x + \sinh^2 x =$	A. Cosh x ² B. Cosh 2x C. Sinh 2x D. Tanh 2x
4	If the cutting plane is slightly tillted and cuts only one nappe of the cone, then the section is a / an:	A. Ellipse B. Circular cone C. Circle D. Point circle
5	Question Image	A. x = a B. for all x D. x = 0
6	Question Image	A. 4 B. Does not exist
7	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
8	Question Image	A. e ^{2x} sin x + c B. e ^{2x} cosx + c Ce ^{2x} sin x + c De ^{2x} cosx + c
9	The focus of the parabola y^2 =-4ax is:	A. (-a, 0) B. (0, a) C. (0, -a) D. (a, 0)
10	Point (5, 6) lies the circle $x^2 + y^2 = 81$:	A. Outside B. Inside C. On D. None of these
11	A null vector is defined as a vector whose magnitude is:	A. 1 B. 2 C. 0 D. None of these
		A. Parallel lines
12	Question Image	B. Perpendicular lines C. Non-parallel lines D. None of these
13	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
14	Question Image	A. Volume of the tetrahedron B. Volume of the parallelepiped C. Volume of the triangle D. None of these
15	The point of a parabola which is closest to the focus in the:	A. Directrix B. Vertex C. Focus D. Chord
16	Question Image	A. integration by parts B. definite integral C. Differentation

		D. None of these
7	Question Image	A. Integration B. Integrand C. Constant of integration D. None of these
8	Let $f(x) = x^2$, then range of f is the set of all:	A. Real numbers B. Non-negative real numbers C. Non-negative integers D. Complex numbers
9	Question Image	A. 36 B. 42 C. 48 D. 12
:0	Question Image	A. Scalar B. Free vector C. Unit vector D. Null vector