

## FA Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $e^{-x} \sin x + c$ B. $-e^{-x} \sin x + c$ C. $e^{-x} \cos x + c$ D. $-e^{-x} \sin x + c$
2	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Integration B. <b>Integrand</b> C. Constant of integration D. None of these
3	y - ordinate of the centroid of triangle with vertices A(-2, 3) B(-4, 1), C(3, 2) is:	A. 3 B. 1 C. <b>2</b> D. 0
4	x = 2 is a vertical line perpendicular to _____:	A. <b>x - axis</b> B. x - axis may be C. y - axis D. None of these
5	If the equation of the parabola is $y^2 = 4ax$ , then opening of the parabola is to the right of the:	A. x-axis B. y = x C. <b>y-axis</b> D. $x + y = 0$
6	If the graph of f is entirely above the x-axis, then the definite integral is _____:	A. <b>Positive</b> B. Positive or negative C. Negative D. Positive and negative
7	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. f(x) B. <b>In  f(x) </b> C. f'(x) D. In  f'(x)
8	A quadrilateral having two parallels and two non-parallel sides is called:	A. <b>Trapezium</b> B. Rectangle C. Rhombus D. None of these
9	The vertex of the parabola $x^2 = 4ay$ is:	A. (-a, 0) B. (0, a) C. (0, -a) D. <b>(0, 0)</b>
10	Every relation, which can be represented by a linear equation in two variables, represents a:	A. Graph B. <b>Function</b> C. Cartesian product D. Relation
11	x = a is a vertical line perpendicular to _____.	A. <b>x - axis</b> B. x - axis may be C. y - axis D. None of these
12	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 1 B. <b>0</b>
13	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. [0] B. [0, 0] C. <b>[0, 0, 0]</b> D. None of these
14	If $y = x^2 + 1$ _____ x changes from 3 to 3.02 then $dy =$ _____	A. 0.1204 B. <b>.12</b> C. .02 D. 1.2
15	Inclination of X-axis or of any line parallel to X-axis is:	A. <b>Zero</b> D. Undefined
16	If x and y are so mixed up and y cannot be expressed in terms of the independent variable x, then y is called a/an ---- function of x.	A. Constant B. Explicit C. <b>Implicit</b> D. -

17	Question Image	
18	Question Image	A. Line parallel to x-axis B. Line parallel to y-axis C. Line passing through the origin D. Both (a) and (b)
19	General form of equation of line is:	A. $ax - by + c = 0$ B. $ax + by - c = 0$ C. $ax + by + c = 0$ D. $ax - by - c = 0$
20	Question Image	A. Above B. Left C. Below D. Right