

## FA Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	Inclination of Y-axis or of any line parallel to Y-axis is:	B. Zero D. Undefined
2	The distance of any point P (x, y) from the origin O(0 , 0) is given by:	
3	$x = 4$ is the solution of inequality:	A. $x + 3 > 0$ B. $x - 3 < 0$ C. $-2x + 3 > 0$ D. $x + 3 < 0$
4	Area between x-axis and the curve:	A. 32 D. 16
5	If the inclination of a line lies between $]90^\circ, 180^\circ[$ , then the slope of line is :	A. Positive B. Negative C. Zero D. undefined
6	Question Image	A. 4a B. 2a C. 4b D. 2b
7	If $f(x) = \cos x$ then $f'(0)$ is equal to:	A. 0 B. -1 C. 1
8	Question Image	A. Constant B. Implicit C. Explicit D. Inverse
9	The Maclaurin series expansion is valid only if it is:	A. Convergent B. Divergent C. Increasing D. Decreasing
10	$y = b$ is a horizontal line parallel to _____:	A. x - axis B. x - axis may be C. y - axis D. None of these
11	The function $f(x) = 3x^2$ has minimum value at :	A. $x = 3$ B. $x = 2$ C. $x = 1$ D. $x = 0$
12	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
13	Question Image	A. Line B. Parabola C. Ellipse D. Hybperbola
14	If $y = x^2 + 1$ _____ x changes from 3 to 3.02 then $dy =$ _____	A. 0.1204 B. .12 C. .02 D. 1.2
15	Question Image	A. 4, -4 B. 0 C. 2, -2 D. 0, 4
16	Question Image	
17	The equation $x^2 + y^2 + 2x + 3y = 10$ represents a:	A. A pair of lines B. Circle C. Ellipse D. Hyperbola

18 Sir Isaac Newton was a(an) ----- mathematician.

- B. French
- C. Swiss
- D. English

19 The point (5, 8) lies the line  $2x - 3y + 6 = 0$

- A. Above
- B. Below
- C. On
- D. None

20 Question Image

- A. Common logarithmic
- B. Natural logarithmic
- C. Exponential
- D. None of these