

FA Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	Measure of the central angle of a minor arc is _____ the measure of the angle subtended in the corresponding major arc.	A. Equal B. Double C. Not equal to D. Triple
2	The technique or method to find such a function whose derivative is given involves the inverse process of differentiation called:	A. Differentiation B. Integration C. Differential D. None of these
3	Question Image	
4	In the case of translation of axes which formula is true:	A. $x = X - h$ B. $x = X + h$ C. $x + X = h$ D. None
5	Question Image	A. Line B. Parabola C. Ellipse D. Hybperbola
6	Two non parallel lines intersect each other at:	A. 1 point B. 2 point C. 3 points D. 4 points
7	Question Image	A. $x = 0$ B. $y = -a$ C. $y = 0$ D. $y = -a$
8	Question Image	
9	If the upper limit is a constant and the lower limit is a variable, then the integral is a function of:	A. x B. y C. lower limit D. upper limit
10	Question Image	A. $x = a$ B. for all x D. $x = 0$
11	Which one is not an exponential function ?	
12	The focus of the parabola $x^2 = -4ay$ is:	A. $(-a, 0)$ B. $(0, a)$ C. $(0, -a)$ D. $(a, 0)$
13	The vertical line $y'oy$ is called:	A. x-axis B. y-axis C. abscissa D. Ordinate
14	Zero vector is perpendicular to:	A. Every vector B. Unit vector only C. Position vector only D. Not any vector
15	In the case of rotation of axes which formula is true:	
16	$\text{Cosh}^2 x + \text{Sinh}^2 x =$	A. $\text{Cosh } x^{²}$ B. $\text{Cosh } 2x$ C. $\text{Sinh } 2x$ D. $\text{Tanh } 2x$
17	Question Image	
18	For any point (x, y) and y - axis:	A. $y = 0$ B. $y = -1$ C. $y = 1$ D. $x = 0$

19

Question Image

- A. $5 \sin x$
- B. $\cosh (5x)$
- C. $5 \cosh (5x)$
- D. $-5 \cosh (5x)$

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The distance between two points $P_1 (x_1, y_1)$ and $P_2 (x_2, y_2)$ on the co-ordinate plane is given by: