

FA Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	If the directed distances AP and PB have same signs, then their ratio is positive and P is said to divide AB:	A. Internally B. May be divide C. Externally D. None of these
2	The directrix of the parabola $x^2 = 4ay$ is:	A. $x = a$ B. $x = -a$ C. $y = a$ D. $y = -a$
3	Inverse hyperbolic functions are expressed in terms of natural:	A. Numbers B. Exponential C. Logarithms D. Sines
4	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Integral B. Indefinite integral C. Differential D. Definite integral
5	The inequality $y > b$ is the open half plane to the _____ of the boundary line $y = b$:	A. Above B. Left C. Below D. Right
6	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
7	The equ. of directrix of the parabola $y^2 = -4ax$ is:	A. $x = a$ B. $x = -a$ C. $y = a$ D. $y = -a$
8	For any point (x, y) and y - axis:	A. $y = 0$ B. $y = -1$ C. $y = 1$ D. $x = 0$
9	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 0 B. 1 C. -1 D. 2
10	A parallelogram is a rhombus if and only if its diagonals are:	A. Parallel B. Perpendicular C. Equal D. None of these
11	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Lagrange B. Newtown C. Leibniz D. Cauchy
12	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. [0] B. [0, 0] C. [0, 0, 0] D. None of these
13	The vertex of parabola $(x - 1)^2 = 8(y + 2)$ is:	A. (1, -2) B. (0, 1) C. (-1, -2) D. (1, 2)
14	The system of _____ involved in the problem concerned is called problem constraints:	A. Linear inequalities B. Equations C. Linear equalities D. None of these
15	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. cosech x coth x B. $-\text{cosech}^2 x$ C. $-\text{cosech } x \text{ coth } x$ D. $\text{cosech}^2 x$
16	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. One variable B. Three variable C. Two variable

D. Four variable

17 A corner point is the point of intersection of:

- A. x-axis & y - axis
- B. Boundary lines
- C. Any two lines
- D. None

18 If the cone is cut by a plane perpendicular to the axis of the cone, then the section is a / an:

- A. Parabola
- B. Circular cone
- C. Ellipse
- D. Circle

19 Question Image

20 Question Image