

FA Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	Question Image	
2	The centroid of the triangle whose vertices are (3, -5), (-7, 4) and (10, -2) is:	A. (-2, -2) B. (-2, 2) C. (2, -1) D. (0, 0)
3	Point p (-5, 6) lies the circle $x^2 + y^2 + 4x - 6y - 12 = 0$	A. Outside B. Inside C. On D. None of these
4	x = 4 is the solution of inequality:	A. x + 3 > 0 B. x - 3 < 0 C2x + 3 > 0 D. x + 3 < 0
5	The equation to the straight line which passes through the point (2, 9) and makes an angle of 45° with x-axis is:	A. $x + y + 7 = 0$ B. $x - y + 7 = 0$ C. $y - x + 7 = 0$ D. None of these
6	Question Image	A. 0
7	X-co-ordinate of centroid of triangle ABC with A(-2, 3); B(-4, 1); C(3, 5) equals:	A1 B. 1 C. 3 D3
8	Let $f(x) = x^3 + \sin x$, then $f(x)$ is:	A. Even function B. Odd function C. Power function D. None of these
9	y - y1 = m (x - x1) is the equation of straight line in:	A. Slope-intercept from B. Point-slope from C. Normal form D. Intercepts form
10	Question Image	
11	A parallelogram is a rhombus if and only if its diagonals are:	A. Parallel B. Perpendicular C. Equal D. None of these
12	The line $y = c$ is above the x - axis, if:	A. c > 0 B. c < 0 C. c = 0
13	The opening of the parabola $y^2 = 4ax$ is to the of the:	A. Left B. Upward C. Right D. Downward
14	Question Image	A. 90° B. 30° C. 60° D. 0°
15	Which of the following is not a vector quantity?	A. Weight B. Mass C. Force D. Velocity
16	A scalar quantity is one that possesses only :	A. Magnitude B. Direction C. Both a and b D. None of these
17	If the inclination of a line lies between]90°, 180°[, then the slope of line is :	A. Positive B. Negative C. Zero D. undefined

18	Question Image	A. Constant B. Implicit C. Explicit D. Inverse
19	Question Image	A. 1 B. 2 C. 3 D. 0
20	Question Image	A. a B. 2b C. b D. 2a