ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Question Image	A. 3, -3, 11 B. 3, 3, 11 C. -3, 3, -11 D. -3, -3, 11
2	Question Image	
3	$a > b, b > c \Rightarrow a > c$ is a	A. Multiplicative property B. Additive property C. Trichotomy property D. Transitive property of inequality
4	Question Image	
5	A function from X to Y is written as	B. f : X to Y D. f : Y to Y
6	A circle passing through the vertices of any triangle is called	A. Circumcirle B. Incircle C. Escribed circle D. Unit circle
7	The graph of a quadratic function is	A. Circle B. Ellipse C. Parabola D. Hexagon
8	If the vector $2i + 4j - 7k$ and $2i + 6j + xk$ are perpendicular then $x = ?$	A. 0 B. 2 C. 4 D. 7
9	In R the number of identity element w.r.t '+' is	A. One B. Two C. Three D. Four
10	The number of terms in the expansion of $(a + b)^9$ is	A. 10 B. 11 C. 9 D. 12
11	5th term of a G.P. is 2, then the product of first 9 terms is	A. 256 B. 128 C. 512 D. None of these
12	Question Image	
13	Question Image	A. $\pi / 3$ B. $\pi / 4$ C. $\pi / 6$ D. 0
14	The middle term in the expansion of $(a + x)^{12}$ is	A. 7th B. 8th C. 9th D. 6th
15	Question Image	A. $x^3 - x^2 + x + c$ B. $6x - 2 + c$ C. $x^3 - 2x + c$
16	Question Image	
17	$f(x) = x^3$ is:	A. an odd function B. an even function C. an implicit function D. a quadratic funtion

18	The many subset can be formed from the set {a,b,c,d}	A. 8 B. 4 C. 12 D. 16
19	Question Image	B. $\ln(x^2 - x + 1)^4 + c$
20	Question Image	D. none of these