ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	$x^2 + x - 5 = 0$ is	A. A polynomial B. An inequality C. An identity D. None
2	If $a > 0, b > 0, c > 0$ then the roots of the equation $ax^2 + bx + c = 0$ are	A. Real and negative B. Non-real with negative real parts C. Real and positive D. Nothing can be said
3	The condition for $ax^2 + bx \, c$ to be expressed as the product of linear polynomials is	A. $b^4 - 4ac = 0$ B. $b^4 - 4ac \geq 0$ C. $b^4 - 4ac < 0$ D. $b^4 = 4ac$
4	Question Image	
5	A rule or correspondence that assigns to each element x in X a unique element y in Y is called a function from	A. X to X B. X to Y C. Y to X D. none of these
6	Question Image	
7	Question Image	A. 3 x 1 B. 1 x 3 C. 3 x 3 D. 1 x 1
8	The fifteenth term of $(3-a)^{15}$ is	A. $-17a^{12}$ B. $-945a^{13}$ C. $-941a^{13}$ D. $-515a^{12}$
9	If A and B are two sets then any subset R of B x A is called	A. relation on A B. relation on B C. relation from A to B D. relation from B to A
10	$(51)^4$ is equal to	A. 7065201 B. 8065201 C. 6765201 D. 6565201
11	The roots of the equation $x^2 + 6x - 7 = 0$, are	A. 1 B. 2 C. 1 and -7 D. -7
12	The area of circle of unit radius =	A. 0 B. 1 C. 4 D. π
13	Question Image	
14	Question Image	
15	While writing his hooks on geometry, Euclid used	A. inductive method B. deductive method C. implication D. proposition
16	Question Image	A. 25 B. 16 C. 5 D. 0
17	Question Image	

18	Question Image	A. A B. B C. U D. None of these
19	If S = {3,6,9,12.......}, then	A. S = Four multiples of 3 B. S = Set of even numbers C. S = Set of prime numbers D. S = All multiples of 3
20	Question Image	A. 2 B. 4 C. 8 D. 16