ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	The gradient of a curve $Y = ax+b/x2$ at (2,5) is 2. The value of a and b are.	A. 7,4 B. 7/3,4/3 C. 7,2 D. 7/3,2/3
2	Question Image	
3	We also the system of non-homogeneous linear equations by	A. a and b B. b and c C. c and a D. a, b and c
4	To draw conclusions front premises believed to be true, this way of reasoning is called	A. deduction B. induction C. implication D. disjunction
5	The nth term of an A.P., is 12-4n. Its common difference is	A. 8 B. 4 C. 4 D. 16
6	The Principal value of sin-1 (-1/1/2)	A. $\pi/2$ B. $-\pi/2$ C. π D. $-\pi$
7	Question Image	A. Lies between 4 and 7 B. Lies between 5 and 9 C. Has no value between 4 and 7 D. Has no value between 5 and 9
8	The multiplicative inverse of -3i is	A. 3i B. -3i C. -1/3i D. 1/3 i
9	Question Image	
10	Question Image	
11	The number of words that can be formed out of the letters of the word ASSASSINATION is	
12	The set {-1,1} is	A. Group under the multiplication B. Group under addition C. Does not form a group D. Contains no identity element
13	Multiplicative inverse of "1" is	A. 0 B. -1 C. 1 D. {0, 1}
14	$16^{o}30' =$	A. 16.5^{o} B. 16.2^{o} C. 16.60^{o} D. 19.9^{o}
15	$x^4 - 3x^3 + 3x + 1 = 0$ is called _____	A. Reciprocal equation B. Exponential equation C. Radical equation D. None of these
16	Function is a special type of	A. relation B. ordered pairs C. Cartesian product D. Set
17	Question Image	

18	The two parts into which 57 should be divided so that their product is 782 are	A. 43,14 B. 34,23 C. 33,24 D. 44,13
19	Question Image	
20	A polynomial P(x)has a factor (x-a)if P(a) =	A. a B. x C. 1 D. 0