

ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	The projection of -2i + 3j+7k on 2j + k is	A. 13/5 B. 13/4 C. 13/ square 5 D. 13
2	For reasoning, we have to use	A. implicationB. conjunctionC. inductionD. proposition
3	If A is a non singular matrix then A ⁻¹ =	
4	If $C=\{p/p < 18, p \text{ is a prime number}\}$, then $C=$	A. {2,3,4,17} B. {2,4,6,816} C. {1,3,5,7,9,11,13,15,17} D. {3,6,9,12,15}
5	If the exponent in the binomial expansion is 6, then the middle term is	A. 2nd term B. 3rd term C. 4th term D. 5th term
6	Question Image	
7	A statement which is already false is called	A. Tautology B. Contrapsitive C. Absurdity D. Universal quantifiers
8	If $z_1 = \sqrt{-36}$, $z_2 = \sqrt{-25}$, $z_3 = \sqrt{-16}$ then	A. 15 B. 15i C15i D15
9	The function $\{f(x,y) y = ax2 +bx +c\}$ is	A. One-one functionB. Constant functionC. Onto functionD. Quadratic function
10	Question Image	
11	If the trace of matrix A is 5, then the trace of the matrix 3A is	A. 3/5 B. 5/3 C. 8 D. 15
12	Question Image	
13	Question Image	A. 3/4 B. r C. v D. None of these
14	If $f(x) = (-x)^2$ then $f(-2)$ is	A. 0 B. 2 C4 D. 4
15	3.5+5.4=5.4+3.5 =8.9 this property of addition is called	A. additive identity B. assoclative property C. commulative property D. closure property
16	The set of whole numbers is subset of	A. The set on integers B. The set of natural numbers C. {1, 3, 5, 7,} D. The set of prime numbers
17	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

18	Question Image	
19	If 6th term of a series in A.P, is -2 and 8th term is -8, the first term of the serie is	A. 13 B13 C. 18 D10
20	Question Image	