

ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Which of the following represent injuctive function	
2	$\cot \frac{\theta}{\theta} = \sin 2\frac{\theta}{\sin \theta} =$	
3	Question Image	A. mx B. x/m C. mx ^{m-1} D. xm ^{m-1}
4	The angle of elevation of a tower from a point A due south of it is x and from a point B due east of A is y . If $AB = 1$, then the height h of the tower is given by	
5	If uv= Projuv then	A. Uandvare parallel B. vis a unit vector C. Uis a unit vector D. Both b and c
6	Question Image	Aa -b -c B. 1 C. 0 D1
7	If the function y=2x -3, what is the preimage of 11?	A. 11 B. 7 C. 5 D. 2
8	Which of the following is a vector.	A. work B. time C. density D. electric field
9	(ABC)' =	A. CBA' B. CBA C. C' B' A' D. None of these
10	Sin h ⁻¹ x =	
11	Question Image	D. none of these
12	Question Image	A. p < r B. p > rr C. p + r < 0 D. p - r < 0
13	The matrix A is Hermitian when (A)' =	A. A BA C. A D. A'
14	Let A be a square matrix. Then, 1/2 (A-A') is	A. Skew-symmetric B. Symmetric C. Null D. None of the above
15	A Series which does not coverage to a Unique sum is called	A. Harmonic Series B. Oscillatroy Series C. Arithmetic Series D. None of these
16	Question Image	A. 3 B. 1 C. 2 D. 4
17	Such a function which is (1 -1) is called	A. surjective B. injuctive C. bijective D. into
18	Question Image	A. Rational B. Irrational C. Natural

		D. Odd
19	Express cos 320º between 0ºand 45º	A. cos 45 ^o B. cos 30 ^o Ccos 40 ^o D. cos 40 ^o
20	For any set B,B∪B' is	A. Is set B B. Set B' C. Universal set