

ECAT Mathematics MCQ's Test For Full Book

C-	Ougations	Anguara Chaire
Sr	Questions	Answers Choice
1	Question Image	A. a = -1/2, b = -1 B. a = 1, b = 2 C. a = 2, b = 3 D. None of above
2	Form a group of 5 men and 3 women, a committee of 4 persons is to be selected randomly. The probability that there is a majority of men is	A. 1/4 B. 1/3 C. 1/2 D. 1/6
3	Question Image	
4	Question Image	A. I B. 14 I C. 0 D. None of these
5	If a force $F = 2i + j + 3k$ acts at point $(1,-2,2)$ of a body then the moment of F about a pint lying on the line of action of the force is	A. 5 B. Equal to the moment of the force about origin C. 0 D. Cannot be found
6	The set {Z\ {0} } is group w.r.t	A. Addition B. Multiplication C. Division D. Subtraction
7	For any equilateral r :R :η :r1 :r2 :r3 =	A. 1:2:3:4:5 B. 1:2:3:3:3 C. 1:2:4:4:4 D. 2:1 :2 :2 :2
8	The conjugate of $\sqrt{5}$ <i>i</i> is	A. √5 B√5 i C. i D. 5i
9	The solution of the equation $\cos^2\theta$ + $\sin\theta$ + 1 = 0 lies in the interval	
10	If $x^2 + y^2 = 1$, then dy/dx	A. y/x Bx/y C. 1/x D. None of these
11	$2^{2x}-3+2^{x+1}+32=0$ is gives value of x	A. (3,4) B. (8,4) C. (2,3) D. (5,9)
12	Apollonius was a	A. rocket B. Muslim scientist C. Greek mathematicians D. method of finding conics
13	Area of⊿ABC=	A. ab sin <i>α</i>> B. 1/2 ab sin <i>α</i> C. 1/2 ac sin <i>α</i> D. 1/2 ac sin <i>α</i> D. 1/2 ac sin

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14	Question Image	A. Set of whole number B. Rational Numbers C. Complex numbers D. Whole numbers
15	Question Image	A. n < 8/5 B. n < 5/8 C. n < 8/5 D. n >8/5
16	1.4142135 is	A. A natural number B. A rational number C. A prime number D. An irrational number
17	Question Image	
18	There are n seats round a table numbered 1, 2, 3 n. The number of ways in which m person can take seats is	A. ⁿ P _m B. ⁿ C _m x (m - 1)! C. ⁿ⁻¹ P _m D. None of these
19	Question Image	
20	If A and B are two disjoint events then	A. P(A∪B)=P(A)+P(B) B. P(A∪B)=P(A)-P(A∪B) C. P(A∪B)=P(A)or P(B) D. None