

ECAT Pre General Science Mathematics Online Test

C-	Questions	Anguara Chaine
Sr	Questions	Answers Choice
1	If A is an event then which of the following is true	A. P(A)<0 B. 0≥P(A)≤1 C. P(A)>0 D. None
2	24 can be written as a product of	A. Odd factors B. Even factors C. Whole factors D. Prime factors
3	Question Image	A. 3 B. 2 C. 8 D. 0
4	If w is a cube root of unity then 1 + w + w ² =	A. 1 B. 2 C. 0 D1
5	Question Image	
6	The proposition S(k+1) is true when is true \forall K \in N	A. S(n) B. S(k) C. S(1) D. S(k-1)
7	The multiplicative inverse of -1 in the set {1-, 1} is	A. 1 B1 C. +-1 D. 0
8	Question Image	A. cos 2x + c B cos 2x + c C. tan 2x + c D. cot 2x + c
9	\forall a ϵ R \exists o ϵ R such that a + v = 0 + a = a is property of	A. Commutative law of addition B. Associative law of addition C. Additive identity D. Additive inverse
10	Question Image	
11	Question Image	
12		
	Question Image	A. 0 B. 1
13	Question Image Question Image	
13		
	Question Image	A. Addition B. Multiplication C. Subtraction
14	Question Image The set {1, -1, 1, -1}, form a group under	B. 1 A. Addition B. Multiplication C. Subtraction D. None A. touch internally B. do not intersect C. touch externally
14	Question Image The set $\{1, -1, 1, -1\}$, form a group under Two circle $x^2 + y^2 + 2x - 8 = 0$ and $x^2 + y^2 - 6 + 6x - 46 = 0$:	B. 1 A. Addition B. Multiplication C. Subtraction D. None A. touch internally B. do not intersect C. touch externally
14 15 16	Question Image The set $\{1, -1, 1, -1\}$, form a group under Two circle $x^2 + y^2 + 2x - 8 = 0$ and $x^2 + y^2 - 6 + 6x - 46 = 0$: If the 4th term in the expansion of $(px + x^1)^m$ is 2.5 for all $x \in \mathbb{R}$, then	A. Addition B. Multiplication C. Subtraction D. None A. touch internally B. do not intersect C. touch externally D. None of these A. an identity B. A fraction C. A partial sum

19	the largest degree of the terms in the polynomials is called	A. terms of the polynomial B. degree of a polynomial C. co-efficient D. monomial
20	Question Image	