

ECAT Pre General Science Mathematics Online Test

C-	Overtions	Anguaga Chair-
Sr	Questions	Answers Choice
1	The area between the x-axis and the curve $y = x^2 + 1$ from $x = 1$ to 2 is:	A. 15/6 B. 15/4 C. 10/4 D. 10/3
2	Sin 50°-sin 70°+sin 10° is equal to	A. 1 B. 0 C. 1/2 D. 2
3	If $\underline{\mathbf{u}}$ =[3,-4],then modulus of $\underline{\mathbf{u}}$ is:	A. 5 B. 5i C5 D. √5
4	Period of 3 sin x is	
5	The area of circle of unit radius =	A. 0 B. 1 C. 4 D. π
6	All letters of the word "AGAIN" are permuted in all possible ways and the words so formed (with or without meaning) are written as in dictionary, then the 50th word is	A. NAAGI B. NAAIG C. IAANG D. INAGA
7	n(n - 1) (n - 2) (n - r + 1) =	
8	The range of the principle cot function is	
9	Question Image	
10	How many different 5-digit even numbers are possible form digit 1,2,4,6,8	A. 4:4! B. 4! C. 5! D. 4!+4!
11	(a +bi) -c (c +di) =	A. $(a +b) = (c +d)$ B. $(a +c) + i(b +d)$ C. $(a -c) + (c -d) < i < i >$ D. $(a -c) + (b -d) $ and $ > i < i < i >$
12	Question Image	
13	Cos 60° =	A. 1 B. 2 C. 1/2 D. 3
14	Question Image	
15	The sum of an indicated number of terms in a sequence is called	A. sequence B. progression C. Series D. Mean
16	Question Image	A. 2, 3 B. 3, 3 C. 2, 6 D. 2, 4
17	Question Image	D. none of these
18	Question Image	
19	The negative square root of 9 can be written as:	A√9 B. √9 C. √18 D√18

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