




ECAT Computer Science Entry Test

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	
3	Question Image	
4	Question Image	
5	Sum of first n terms of an arithmetic series is	
6	The n numbers $A_1, A_2, A_3, \dots, A_n$ are called an arithmetic means between a and b if $a, A_1, A_2, A_3, \dots, A_n, b$ is _____	A. An arithmetic series B. An arithmetic sequence C. A geometric sequence D. A harmonic sequence
7	Question Image	
8	Question Image	
9	Question Image	A. $2x \cos x^2$ B. $2\sin x \cos x$ C. $-\sin x^2$ D. $2x \sin x^2$
10	Arithmetic mean between a and b is	
11	Question Image	A. $2x \cos x^2$ B. $-2x \cos x \sin x$ C. $2x \sin x^2$ D. $-\sin x^2$
12	Question Image	A. $3/4$ B. $-3/4$ C. $4/3$ D. $-4/3$
13	$-2, 1, 4, 7, \dots$ is _____	A. Harmonic sequence B. Arithmetic sequence C. Geometric sequence D. Arithmetic series
14	The difference of two consecutive terms of an A.P. is called _____	A. General term B. Common ratio C. Common difference D. None of these
15	Question Image	
16	The general term of the A.P. is	A. $a_{n-1} + (n-1)d$ B. $n + (a_{n-1} - 1)d$ C. $d + (n-1)a_{n-1}$ D. None of these
17	Question Image	
18	The general term of a sequence is denoted by	A. a_{n-1} B. a_n C. n D. s_n
19	Question Image	
20	Find the next two terms of 7, 9, 12, 16, ...	A. 18, 20 B. 19, 22 C. 20, 25 D. 21, 27
21	Question Image	
22	Question Image	
23	Question Image	

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24		
25	If $a_n = 2n - 3$, write the first four terms	A. -3, -1, 1, 3 B. 1, 3, 5, 7 C. -1, 1, 3, 5 D. None of these
26	A function whose domain is a subset of natural numbers is called _____	A. Identity function B. Sequence C. Onto function D. Series
27		
28	An equation which holds good for all values of variables is called	A. Equation B. Conditional equation C. Constant D. None
29	How many types of an equation	A. 1 B. 3 C. 2 D. None
30	