

ECAT Pre General Science Mathematics Chapter 8 Sequences and Series Online Test

Sr	Questions	Answers Choice
1	The series obtained by adding the terms of an arithmetic sequence is called the	A. Infinite series B. Harmonic series C. Geometric series D. Arithmetic series
2	How many numbers are there between 103 and 750 which are divisible by 6	A. 125 B. 107 C. 108 D. 113
3	What is the 26th term of the sequence, if its general term is $a_n = (-1)^{n+1}$	A. 2 B. 26 C. 27 D. 1
4	For an A.P common difference d	A. Can be zero B. May or may not zero C. Cannot be zero D. None of these
5	The sum of all 2 digit number is	A. 4750 B. 3776 C. 4895 D. 4905
6	if ag =19,ag=31 are the 6th and 9th term of an AP. and d=4 is the common difference, then 18th term of the sequence is	A. 65 B. 67 C. 71 D. 75
7	An A.P., a G.P. and a H.P. have the same first and last terms and the same odd numbers of terms, the middle terms of the three series are in	A. A.P. B. G.P. C. H.P. D. None of these
8	If a, b, c are in AP., a, b, c are in G.P. then A, m ² b, c are in	A. A.P. B. G.P. C. H.P. D. None of these
9	The third term of a G.P. is 4, The product of first five terms is	A. 43 B. 45 C. 46 D. None of these
10	No term of a geometric sequence can be	A. 0 B. 1 C. 2 D. 3
11	Question Image	A. 15/23 B. 7/15 C. 7/8 D. 15/7
12	Write the first four terms of the arithmetic sequence 5, 2, -1, is	A. 3 B4 C. 7 D. 1
13	The sum of the squares of three distinct real numbers, which are in G.P., is S^2 . if their sum is αS then	
14	Question Image	
15	For three consecutive terms in A.P middle term is called	A. A.M B. nth term C. Central term D. None of these
16	Question Image	A. 0 B. 1 C. 2

		D. 3
17	If A, G, H are the arithmetic, geometric and harmonic means between a and b respectively then A, G, H are in	A. A. P. B. G. P. C. H. P. D. None of these
18	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
19	Arithmetic mean between x - 3 and x + 5 is	A. x + 1 B. x + 2 C. x + 3 D. x + 4
20	The A.M. of two numbers is 34 and G.M. is 16, the numbers are	A. 2 and 64 B. 64 and 3 C. 64 and 4 D. None of these