

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

Sr	Questions	Answers Choice
OI .	Questions	
1	3, 6, 12, is	A. A.P B. G.P. C. H.P. D. None of these
2	The 6th term of an arithmetic sequence whose first term is 3 and common difference in zero is	A. 18 B. 6 C. 3 D. 0
3	An A.P. consists of n(odd terms) and its middle term is m. then the sum of the A.P. is	A. 2 mn B. 1/2 mn C. mn D. mn <sup>2</sup>
4	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
5	99th term of the series 2 + 7 + 14 + 23 + 34 + is	A. 9998 B. 9999 C. 10000 D. None of these
6	The sum of an indicated number of terms in a sequence is called	A. sequence B. progression C. Series D. Mean
7	The sum of all 2 digit number is	A. 4750 B. 3776 C. 4895 D. 4905
8	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
9	1 + 2 + 3 + + n =	
10	The nth term of a G.P. is	A. a <sub>1</sub> r <sup>n</sup> B. a <sub>1</sub> r <sup>n+1</sup> C. a <sub>1</sub> r <sup>n-1</sup> D. a <sub>1</sub> r <sup>-n</sup>
11	The formula an = a +(n-1)d for an A.P is called	A. nth term of an A.P B. Sum of first n terms C. A,M between a and b D. None of the above
12	Sum of n terms of a geometric series if   r   < 1 is	
13	Question Image	A. A.P. B. G.P. C. H.P. D. None of these
14	1/2,1/3,1/4,1/5is	A. a geometric sec B. an arithmetric series C. finite sequence D. an infinite sequece
15	Question Image	
16	If a <sub>1</sub> , r are first term and the common ratio respectively then the sum of an infinite geometric series is	
17	No term of a harmonic sequence can be	A. 0 B. 1 C. 2 D. 3

18	The seventh term of an A.P whose first term is P and common difference is q. is	A. P-6q B. P+6q C. P-4q D. P-nq
19	Find the sum of the infinite geometric series 2 + 1 + 0.5 +	A. 3.5 B. 3 C. 4 D. None of these
20	In following question, a number series is given with one term missing. choose the correct alternative that will same pattern and fill in the blank spaces.1 , 4, 9, 16, 25, x	A. 35 B. 36 C. 48 D. 49