ECAT Mathematics Chapter 8 Sequences and Series

Sr	Questions	Answers Choice
1	An indicated sum of terms of a sequence is represented by	A. Sn B. an C. S(n) D. {Sn}
2	-2, 1, 4, 7,.... is _____	A. Harmonic sequence B. Arithmetic sequence C. Geometric sequence D. Arithmetic series
3	The 31 term of the A.P 5,2,-1.....is	A. -82 B. 82 C. 85 D. -85
4	The nth term of an A.P., is 12-4n. Its common difference is	A. 8 B. 4 C. 4 D. 16
5	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. mn²
6	The sum of all 2 digit number is	A. 4750 B. 3776 C. 4895 D. 4905
7	The general term of the A.P. is	A. a₁+ (n - 1) d B. n + (a₁- 1) d C. d + (n - 1) a₁ D. None of these
8	The 26th term of the A.P -2,-4,10,.....is	A. 136 B. -136 C. 148 D. -148
9	The general term of a sequence is denoted by	A. a₁ B. a_n C. n D. s_n
10	The third term of the sequence $a_n = (-1)^{n-1}(n-7)$ is _____	A. 8 B. 4 C. -4 D. 8
11	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
12	How many numbers are there between 103 and 750 which are divisible by 6	A. 125 B. 107 C. 108 D. 113
13	If three unequal numbers p, q, r are in H.P. and their squares are in A.P., then the ration p : q : r is	
14	A series consisting of an unlimited number of terms is termed as an	A. Finite sequence B. Infinite sequence C. ^{Infinite series} D. geometric sequence
15	A,G,H are in	A. A.P B. G.P C. H.P D. None of these
		A. 18, 20

16	Find the next two terms of 7, 9, 12, 16,...	B. 19, 22 C. 20, 25 D. 21, 27
17	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
18	Question Image	A. 1 B. 2 C. 3/2 D. 5/2
19	Sequence also called.....	A. Series B. Function C. progressions D. Elements
20	Find the sum of the infinite geometric series 2 + 1 + 0.5 + ...	A. 3.5 B. 3 C. 4 D. None of these