11th Class ICS Mathematics Chapter 6 Test Online

Sr	Questions	Answers Choice
1	If $a_n = (n + 1) a_{n-1}$, $a_1 = 1$, second term of the sequence is:	A. 3 B. 1 C. 2 D. 4
2	A geometric series is convergent only if:	A. | r | > 1 B. | r | < 1 C. | r | = 1 D. none of these
3	In an A.P.$a_3 = 12$ and $a_7 = 32$ then d = :	A. 5 B. 3 C. 7 D. 9
4	G.M between -2i and 8i is:	A. 4 or -4 B. 4i or -4i C. 2 or -2 D. none
5	If $a_{n-3} = 2n - 5$ then a_n =	A. 2n-1 B. 2n+1 C. 2n+3 D. none
6	A sequence is denoted by:	B. {a_n} C. a_n D. a₁ + (n-1) d
7	A.M between $1 + x - x^2$ and $1 + x + x^2$ is:	A. 1 + x² B. 1 + x C. 2 D. none
8	If there are six G.Ms between 3 and 284 then G_4 =	A. 24 B. 48 C. 12 D. 6
9	Two A.Ms. between 3 and 9 are:	A. 3. 6 B. 5, 7 C. 6, 12 D. 3, 9
10	Sequences are also called:	A. Series B. Progressions C. Means D. Convergence
11	Sum of integral multiples of there between 4 and 22 is:	A. 81 B. 75 C. 211 D. none
12	An infinite sequence has no:	A. nth term B. last term C. sum D. none
13	Fifth term of the sequence 2, 6, 11, 17.	A. 24 B. 41 C. 32
14	Sum of all odd numbers between 100 and 200 is:	A. 6200 B. 6500 C. 3750 D. 7500
15	Question Image	A. A.P B. G.P C. H.P D. none
		A. 2n - 1

16	If $a_{n-1} = 2n - 3$ then a_{n+1} =	B. 2n + 1 C. 2n + 3 D. none
17	Sum of all positive integral multiples of 3 less than 100 is:	A. 950 B. 760 C. 1230 D. 875
18	What is the general term of the sequence 2, 4, 6, 8, ... ?	A. 2n B. n + 1 C. 2n² D. none of these
19	What is the common difference of the sequence 11, 5, -1, ... ?	A. 6 B. -6 D. none of the foregoing numbers
20	The product of three G.Ms between 1 and 16 is:	A. 32 B. 64 C. 128 D. 16