

11th Class FA Mathematics Chapter 6 Online Test

Sr	Questions	Answers Choice
1	What is called the arrangement of numbers formed according to some definite rule?	A. arithmetic sequence B. geometricsequence C. sequence D. none of these
2	What is the next term in the sequence 10, 7, 4, 1?	A. 2 B2 C3 D. none of these
3	The sum of 10 A.Ms between 3 and 47 is:	A. 50 B. 250 C. 100 D. 500
4	Sum of integral multiples of there between 4 and 22 is:	A. 81 B. 75 C. 211 D. none
5	If S is the H.M between 2 and b then b = :	A10 B. 10 C. 7 D. 5
6	Domain of finite sequence is:	A. set of natural numbers B. subset of N C. R D. none
7	An infinite sequence has no:	A. nth term B. last term C. sum D. none
8	Sum of all positive integral multiples of 3 less than 100 is:	A. 950 B. 760 C. 1230 D. 875
9	The series 3 + 33 + 333 + is:	A. A.P B. G.P C. H.P D. none of these
10	A.M between $1 + x - x^2$ and $1 + x + x^2$ is:	A. 1 + x ² B. 1 + x C. 2 D. none
11	G.M between -2i and 8i is:	A. 4 or -4 B. 4i or -4i C. 2 or -2 D. none
12	Two A.Ms. between 3 and 9 are:	A. 3. 6 B. 5, 7 C. 6, 12 D. 3, 9
13	What is the general term of the geometric sequence -1, 1, -1, 1?	A. (-1) ⁿ B. (1) ⁿ C. (-1) ⁿ⁻¹ D. none of these
14	If there are six G.Ms between 3 and 284 then G_4 =	A. 24 B. 48 C. 12 D. 6
15	The next term of the sequence 1, 6, 20, 56, is:	A. 112 B. 144 C. 212 D. none

16	Reciprocals of the terms of the geometric sequence form:	A. A.P B. G.P C. H.P D. none
17	Which number cannot be a term of a geometric sequence ?	A. 0 B. 1 C1 D. r
18	If $a_{n-3} = 2n - 5$ then $a_n =$	A. 2n-1 B. 2n+1 C. 2n+3 D. none
19	A geometric series is convergent only if:	A. r > 1 B. r < 1 C. r = 1 D. none of these
20	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