

11th Class FA Mathematics Chapter 7 Online Test

Sr	Questions	Answers Choice
1	A.M between $1 + x - x^2$ and $1 + x + x^2$ is:	A. $1 + x^{>2}</sup>$ B. $1 + x$ C. 2 D. none
2	A.M between $x - 3$ & $x + 5$ is _____:	A. $x + 1$ B. $x - 1$ C. $2x + 2$ D. none
3	In an A.P. $a_3 = 12$ and $a_7 = 32$ then $d =$:	A. 5 B. 3 C. 7 D. 9
4	What is the common difference of the sequence 11, 5, -1, ?	A. 6 B. -6 D. none of the foregoing numbers
5	If $a_{n-3} = 2n - 5$ then $a_n =$	A. $2n - 1$ B. $2n + 1$ C. $2n + 3$ D. none
6	If $a_{n-1} = 2n - 3$ then $a_{n+1} =$	A. $2n - 1$ B. $2n + 1$ C. $2n + 3$ D. none
7	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
8	What is the general term of the geometric sequence -1, 1, -1, 1 ?	A. $(-1)^{>n</sup>}$ B. $(1)^{>n</sup>}$ C. $(-1)^{>n-1</sup>}$ D. none of these
9	What is the general term of the sequence 2, 4, 6, 8, ?	A. $2n$ B. $n + 1$ C. $2n^{>2</sup>}$ D. none of these
10	Arithmetic series is only possible if:	A. $ d = 1$ B. $ d < 1$ C. $ d > 1$ D. none
11	Two A.Ms. between 3 and 9 are:	A. 3, 6 B. 5, 7 C. 6, 12 D. 3, 9
12	What is called the difference between two consecutive terms of an arithmetic sequence ?	A. common ratio B. common difference C. common element D. none of these
13	What is the next term in the sequence 10, 7, 4, 1.....?	A. 2 B. -2 C. -3 D. none of these
14	The next term of the sequence -1, 2, 12, 40, is:	A. 112 B. 212 C. 144 D. none
15	The next term of the sequence 1, 6, 20, 56, is:	A. 112 B. 144 C. 212 D. none

16	Fifth term of the sequence 2, 6, 11, 17.	A. 24 B. 41 C. 32
17	What is called the arrangement of numbers formed according to some definite rule ?	A. arithmetic sequence B. geometric sequence C. sequence D. none of these
18	An infinite sequence has no:	A. nth term B. last term C. sum D. none
19	Domain of finite sequence is:	A. set of natural numbers B. subset of N C. R D. none
20	A sequence is denoted by:	B. $\{a_n\}$ C. a_n D. $a_1 + (n-1)d$