

## 11th Class FA Mathematics Chapter 6 Online Test

Sr	Questions	Answers Choice
1	What is the common difference of the sequence 11, 5, -1,?	A. 6 B6 D. none of the foregoing numbers
2	The reciprocal of the terms of A.P. form:	A. A.P B. G.P C. H.P D. none of these
3	A geometric series is convergent only if:	A.   r   > 1 B.   r   < 1 C.   r   = 1 D. none of these
4	What is the next term in the sequence 10, 7, 4, 1?	A. 2 B2 C3 D. none of these
5	In an A.P.a <sub>3</sub> = 12 and a <sub>7</sub> = 32 then d = :	A. 5 B. 3 C. 7 D. 9
6	If S is the H.M between 2 and b then b = :	A10 B. 10 C. 7 D. 5
7	The series 3 + 33 + 333 + is:	A. A.P B. G.P C. H.P D. none of these
8	The next term of the sequence-1, 2, 12, 40,is:	A. 112 B. 212 C. 144 D. none
9	The next term of the sequence 1, 6, 20, 56, is:	A. 112 B. 144 C. 212 D. none
10	A.M between x - 3 & x + 5 is:	A. x + 1 B. x - 1 C. 2x + 2 D. none
11	The series 2 + 2 + 2 is:	A. divergent B. convergent C. oscillatory D. none of these
12	Domain of finite sequence is:	A. set of natural numbers B. subset of N C. R D. none
13	A function whose domain is the set of natural numbers is called the:	A. series B. sequence C. means D. convergent
		A. 2n-1 B. 2n+1
14	If a <sub>n-3</sub> = 2n - 5 then a <sub>n</sub> =	C. 2n+3 D. none
15	Which number cannot be a term of a geometric sequence ?	A. 0 B. 1 C1 D. r
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16	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
17	Zero cannot be a term of:	A. A.P and G.P B. G.P and H.P C. A.P and H.P D. only H.P
18	G.M between -2i and 8i is:	A. 4 or -4 B. 4i or -4i C. 2 or -2 D. none
19	Sequences are also called:	A. Series B. Progressions C. Means D. Convergence
20	A clock strikes once when its hour hand is at one, twice when it is at two, and so on. How many times does the clock strike in ten hours?	A. 55 B. 78 C. 66 D. 46