

11th Class FA Mathematics Chapter 6 Online Test

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	Arithmetic series is only possible if:	A. $ d = 1$ B. $ d < 1$ C. $ d > 1$ D. none
3	If $a_{n-1} = 2n - 3$ then $a_{n+1} =$	A. $2n - 1$ B. $2n + 1$ C. $2n + 3$ D. none
4	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
5	The product of three G.Ms between 1 and 16 is:	A. 32 B. 64 C. 128 D. 16
6	The reciprocal of the terms of A.P. form:	A. A.P B. G.P C. H.P D. none of these
7	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
8	An infinite sequence has no:	A. nth term B. last term C. sum D. none
9	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
10	A sequence is denoted by:	B. $\{a_n\}$ C. a_n D. $a_1 + (n-1)d$
11	A.M between $x - 3$ & $x + 5$ is _____:	A. $x + 1$ B. $x - 1$ C. $2x + 2$ D. none
12	Fifth term of the sequence 2, 6, 11, 17.	A. 24 B. 41 C. 32
13	Sum of all odd numbers between 100 and 200 is:	A. 6200 B. 6500 C. 3750 D. 7500
14	What is the common difference of the sequence 11, 5, -1, ?	A. 6 B. -6 D. none of the foregoing numbers
15	The series $3 + 33 + 333 + \dots$ is:	A. A.P B. G.P C. H.P D. none of these
16	Which number cannot be a term of a geometric sequence ?	A. 0 B. 1 C. -1

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17	G.M between $-2i$ and $8i$ is:	A. 4 or -4 B. $4i$ or $-4i$ C. 2 or -2 D. none
18	A sequence of numbers whose reciprocal form an arithmetic sequence, is known as:	A. arithmetic sequence B. geometricsequence C. harmonicsequence D. none of these
19	Sequences are also called:	A. Series B. Progressions C. Means D. Convergence
20	If there are six G.Ms between 3 and 284 then $G_4 =$	A. 24 B. 48 C. 12 D. 6