

11th Class ICS Mathematics Chapter 6 Test Online

Sr	Questions	Answers Choice
1	The sum of 10 A.Ms between 3 and 47 is:	A. 50 B. 250 C. 100 D. 500
2	Reciprocals of the terms of the geometric sequence form:	A. A.P B. G.P C. H.P D. none
3	If S is the H.M between 2 and b then $b =$:	A. -10 B. 10 C. 7 D. 5
4	A.M between $1 + x - x^2$ and $1 + x + x^2$ is:	A. $1 + x^{²}$ B. $1 + x$ C. 2 D. none
5	G.M between $-2i$ and $8i$ is:	A. 4 or -4 B. $4i$ or $-4i$ C. 2 or -2 D. none
6	7th term of G.P 3, 6, 12 is:	A. 512 B. 192 C. 48 D. 96
7	A.M between $x - 3$ & $x + 5$ is _____:	A. $x + 1$ B. $x - 1$ C. $2x + 2$ D. none
8	What is the general term of the sequence 2, 4, 6, 8, ?	A. $2n$ B. $n + 1$ C. $2n^{²}$ D. none of these
9	A geometric series is convergent only if:	A. $ r > 1$ B. $ r < 1$ C. $ r = 1$ D. none of these
10	Sequences are also called:	A. Series B. Progressions C. Means D. Convergence
11	A function whose domain is the set of natural numbers is called the:	A. series B. sequence C. means D. convergent
12	A sequence of numbers whose reciprocal form an arithmetic sequence, is known as:	A. arithmetic sequence B. geometricsequence C. harmonicsequence D. none of these
13	The next term of the sequence 1, 6, 20, 56, is:	A. 112 B. 144 C. 212 D. none
14	A sequence is denoted by:	B. $\{a_{_n}\}$ C. $a_{_n}$ D. $a_{₁} + (n-1) d$
15	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

16	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
17	The series $2 + 2 + 2 + \dots$ is:	A. divergent B. convergent C. oscillatory D. none of these
18	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
19	The product of three G.Ms between 1 and 16 is:	A. 32 B. 64 C. 128 D. 16
20	If $a_{n-1} = 2n - 3$ then $a_{n+1} =$	A. $2n - 1$ B. $2n + 1$ C. $2n + 3$ D. none