11th Class ICS Mathematics Test Online

Sr	Questions	Answers Choice
1	G.M between -2i and 8i is:	A. 4 or -4 B. 4i or -4i C. 2 or -2 D. none
2	The series 3 + 33 + 333 + ... is:	A. A.P B. G.P C. H.P D. none of these
3	Reciprocals of the terms of the geometric sequence form:	A. A.P B. G.P C. H.P D. none
4	Which number cannot be a term of a geometric sequence ?	A. 0 B. 1 C. -1 D. r
5	7th term of G.P 3, 6, 12 ..... is:	A. 512 B. 192 C. 48 D. 96
6	Question Image	A. A.P B. G.P C. H.P D. none
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	Sum of integral multiples of there between 4 and 22 is:	A. 81 B. 75 C. 211 D. none
9	Sum of all positive integral multiples of 3 less than 100 is:	A. 950 B. 760 C. 1230 D. 875
10	Sum of all odd numbers between 100 and 200 is:	A. 6200 B. 6500 C. 3750 D. 7500
11	The sum of 10 A.Ms between 3 and 47 is:	A. 50 B. 250 C. 100 D. 500
12	A.M between $1 + x - x^2$ and $1 + x + x^2$ is:	A. 1 + x² B. 1 + x C. 2 D. none
13	A.M between x - 3 & x + 5 is _____:	A. x + 1 B. x - 1 C. 2x + 2 D. none
14	In an A.P.$a_3 = 12$ and $a_7 = 32$ then d = :	A. 5 B. 3 C. 7 D. 9
15	What is the common difference of the sequence 11, 5, -1, ... ?	A. 6 B. -6 D. none of the foregoing numbers

16	If $a_{n-3} = 2n - 5$ then a_n =	A. 2n-1 B. 2n+1 C. 2n+3 D. none
17	If $a_{n-1} = 2n - 3$ then a_{n+1} =	A. 2n - 1 B. 2n + 1 C. 2n + 3 D. none
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	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
20	What is the general term of the sequence 2, 4, 6, 8, ... ?	A. 2n B. n + 1 C. 2n² D. none of these