

NAT I Computer Science Mathematics

Sr	Questions	Answers Choice
1	Find the geometric mean between 4 and 16	A. 7, 8 B. 14, 4 C. 28, 2 D. 56, 1
2	The common difference of the sequence 7,4,1.....is	A. 1 B. -3 C. 5 D. 0
3	Write the first four term of the arithmetic sequence if $a_1 = 5$ and other three consecutive terms are 23,26,29	A. 18 years B. 36 years C. 8 years D. 16 years
4	The difference of two consecutive terms of an A.P is called	A. Zero B. One C. Four D. Infinite
5	The sum of the interior angles for a 16 sided polygon is	A. 0 B. ω C. 1 D. $1/\omega$
6	If a and b are any two distinct negative real numbers and $G = \sqrt{ab}$ where A.G.H represent arithmetic geometric and harmonic means then	A. 1 B. $\omega < \sup 2 < \sup$ C. ω D. 0
7	The sum of the series $1+5+9+13+17+21+25+29$ is:	A. 10 cm B. 20 cm C. 30 cm D. 40 cm
8	The nth term in G.P 3,-6,12,..... is	A. 25, 20 B. 20, 10 C. 20, 5 D. 15, 10
9	If the 9 th term of A.P is 8 and the 4 th term is 20. then the first term is	A. 1 B. 2 C. -2 D. -1
10	The nth term of A.P:1,5,9,15.....is given by	A. $4n - 3$ B. $4n + 1$ C. $3n - 4$ D. $4n + 3$