

## ECAT Mathematics Chapter 8 Sequences and Series Online Test

| Sr | Questions                                                 | Answers Choice                                                                                     |
|----|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| 1  | The three consecutive numbers $a, \sqrt{ab}, b$ are in    | A. G.P<br>B. H.P<br>C. G.M<br>D. None of these                                                     |
| 2  | If G is a G.M between a and b then a,G,b are in           | A. A.P<br>B. H.P<br>C. G.P<br>D. None of these                                                     |
| 3  | The formula $a_n = ar^{n-1}$ represents                   | A. nth term of G.P<br>B. Sum of the first n terms<br>C. G.M between a and b<br>D. None of these    |
| 4  | The formula $a_n = a + (n-1)d$ for an A.P is called       | A. nth term of an A.P<br>B. Sum of first n terms<br>C. A.M between a and b<br>D. None of the above |
| 5  | An infinite sequence has no                               | A. nth term<br>B. Last term<br>C. Sum<br>D. None of these                                          |
| 6  | An indicated sum of terms of a sequence is represented by | A. $S_n$<br>B. $a_n$<br>C. $S(n)$<br>D. $\{S_n\}$                                                  |
| 7  | Which one represents a sequence                           | A. $a_n$<br>B. $S_n$<br>C. $a(n)$<br>D. $\{a_n\}$                                                  |