- 1. the  $4^{th}$  term of an A.P. is zero. Prove that the  $25^{th}$  term of the A.P is three times its  $11^{th}$  term.
- 2. If the ratio of the sum of first n terms of two 5A.P's is (7n+1):(4n+27), find the ratio of their  $m^{th}$  terms.