

**Q8. The number of radial nodes for 3p orbital is .**

**(a) 3 (b) 4 (c) 2 (d) 1**

**Sol:** (d) Number of radial nodes =  $n-1 - l$

For 3p orbital,  $n = 3 - 1 - 1 = 1$

Number of radial nodes =  $3 - 1 - 1 = 1$