- 13. Which of the following statements in relation to the hydrogen atom is correct ? (2005)
- (1)3s orbital is lower in energy than 3p orbital
- (2)3p orbital is lower in energy than 3d orbital
- (3)3s and 3p orbitals are of lower energy than 3d orbital
- (4)3s, 3p and 3d orbitals all have the same energy
- Ans.4) Auf-bau principle is not applicable for H atom