Q1. Which of the following options does not represent ground state electronic configuration of an atom?

(a)
$$1s^22s^22p^63s^23p^63d^84s^2$$
 (b) $1s^22s^22p^63s^23p^63d^94s^2$ (c) $1s^22s^22p^63s^23p^63d^94s^1$ (d) $1s^22s^22p^63s^23p^63d^54s^1$

Sol: (b) Correct configuration in ground state should be 1 s² 2s² 2p⁶ 3s² 3p^b3d¹⁰4s¹