Q2. Which of the following options does not represent ground state electronic configuration of an atom?

-	2 2 6 2 6 8 2	<b>4</b> ×	1 20 20 60 20 60 PA-2
(a)	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^8 4s^2$	(b)	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^9 4s^2$
	-	(1)	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^5 4s^1$
(c)	$1s^22s^22p^63s^23p^63d^{10}4s^1$	(a)	18 28 2p 38 3p 3a 4s

Sol: (b) Correct configuration in ground state should be  $1 s^2 2s^2 2p^6 3s^2 3p^b 3d^{10}4s^1$