

6. Probability of finding electron at the nodal surface is (AMUPMT2009)
1) Unity 2) Low 3) High 4) Zero
7. Correct set of four quantum numbers for the outermost electron of potassium atom is (AMUPMT2009)
1) 3, 1, 0, 1/2 2) 4, 0, 0, 1/2 3) 3, 0, 0, 1/2 4) 4, 1, 0, 1/2
8. The set of four quantum numbers $n=3, l=0, m=0, s=+1/2$ represents the outermost electron of (j&k 2009)
1. Na 2. Cl 3. Cr 4. Rb
9. For principal quantum number $n=4$, the possible number of orbitals having $l=3$ is (AFMC2009)
1. 3 2. 7 3. 5 4. 9
10. Which one of the following expressions represents the electron probability function (D) (M - 2003)
1) $4\pi r dr \psi^2$ 2) $4\pi r^2 dr \psi$ 3) $4\pi r^2 dr \psi^2$ 4) $4\pi r dr \psi$

KEY

1)3 2)2 3)3 4)2 5)3 6)4 7)2 8)1 9)2 10)3