

NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	The maximum number of electrons in a subshell for which $l = 3$ is	A. 14 B. 10 C. 8 D. 4
2	The ratio of the ionization energy of H and Be^{3+} is	A. 1 : 1 B. 1 : 3 C. 1 : 9 D. 1 : 16
3	The mass of the neutron is of the order of	A. 10^{-23} kg B. 10^{-24} kg C. 10^{-26} kg D. 10^{-27} kg
4	The credit of discovering neutron goes to	A. Rutherford B. Langmuir C. Chadwick D. Austen
5	With increasing principle quantum number the energy difference between adjacent energy levels in H atom	A. Decreases B. Increases C. Remains constant D. Decreases for low value of Z and increases for higher value of Z.
6	The ratio of close packed atoms to tetrahedral holes in cubic close packing is	A. 1 : 1 B. 1 : 2 C. 1 : 3 D. 2 : 1
7	Potassium crystallizes with a	A. Orthogonal lattice B. Cubic lattice C. Triclinic D. Ortho rhombic lattice
8	How many kinds of space lattices are possible in a crystal?	A. 23 B. 7 C. 230 D. 14