

NAT I Engineering Chemistry

Sr	Questions	Answers Choice
1	Water (H ₂ O) is liquid while hydrogen sulphide (H ₂ S) is a gas because	A. Water has higher molecular weight B. Hydrogen sulphide is a weak acid C. Sulphur has high electronegativity than oxygen D. Water molecules associate through hydrogen bonding.
2	The valence orbital configuration of an element with atomic number 23 is	A. 3d ⁵ B. 3d³ C. 3d³ D. 3d³
3	Which quantum number is sufficient to describe the electron in hydrogen atom?	A. / B. n C. m D. s
4	When electrons revolve in stationary orbits	A. There is no change in energy level B. They become stationary C. They are gaining kinetic energy D. There is increase in energy
5	The symbol of the element whose atoms have the outer most electronic configuration 2s ² 2p ³ is	A. N B. Li C. P D. Na
6	The number of electrons in the M shell of the element with number 24 is	A. 24 B. 12 C. 13 D. 8
7	The maximum number of electrons in a subshell for which l = 3 is	A. 14 B. 10 C. 8 D. 4
8	The ratio of the ionization energy of H and Be ³⁺ is	A. 1 : 1 B. 1 : 3 C. 1 : 9 D. 1 : 16
9	The mass of the neutron is of the order of	A. 10 ⁻²³ kg B. 10⁻²⁴ C. 10⁻²⁶ D. 10⁻²⁷
10	The credit of discovering neutron goes to	A. Rutherford B. Langmuir C. Chadwick D. A. J. J. Thomson

