

NAT I Engineering Chemistry

Sr	Questions	Answers Choice
1	Which has the largest radius?	A. Co^{3+} B. Mn^{3+} C. Fe^{3+} D. Cr^{3+}
2	The equilibrium $\text{Cr}_2\text{O}_7^{2-} \rightleftharpoons 2\text{CrO}_4^{2-}$ is shifted to right in	A. An acidic medium B. A basic medium C. A neutral medium D. It does not exist
3	Which of the following metal exhibits more than one oxidation?	A. Na B. Mg C. Fe D. Al
4	Which of the following transition metal ions will have definite value of magnetic moment?	A. Sc^{3+} B. Ti^{3+} C. Cu^{+} D. Zn^{2+}
5	Addition of iron filling to CuSO_4 solution caused precipitation of Cu owing to the	A. Reduction of Cu^{2+} B. Oxidation of Cu^{2+} C. Reduction of Fe D. Reduction of Fe^{3+}
6	Bell metal is an alloy of	A. Cu, Zn, and Sn B. Cu, Zn and Ni C. Cu and Zn D. Cu and Sn
7	The structure of XeF_6	A. Distorted octahedral B. Pyramidal C. Tetrahedral D. None of the above
8	The following has zero valency	A. Na B. Be C. Al D. Kr
9	A clathrate may be defined as a	A. Cage compound B. Liquid crystal C. Mixture D. Solid solution
10	Which of the following fluorides of xenon is impossible?	A. XeF_2 B. XeF_3 C. XeF_4 D. XeF_6