

NAT I Engineering Chemistry

Sr	Questions	Answers Choice
1	For most of the chemical reaction the rate of reaction	A. Increases as the reaction proceeds B. Decreases as the reaction proceeds C. May increases or decreases during the reaction D. Remains constant as the reaction
2	The rate of a reaction can be increased in general by all the factors except by	A. Using a catalyst B. Increasing temperature C. Increasing the activation energy D. Increasing the conc. of reactants
3	The unit of rate constant for a zero order reaction is	A. Liter sec ⁻¹ B. Liter C. Mol liter ⁻¹ sec ⁻¹ C. Mol liter⁻¹ sec⁻¹ D. Mol
4	When KClO ₃ is heated it decomposes into KCl and O ₂ if some MnO ₂ is added the reaction goes much faster because	A. MnO ₂ decomposes to give O ₂ B. MnO ₂ provides heat by reacting C. Better contact is provided by MnO ₂ D. MnO₂ acts as a catalyst
5	The rate of reaction between A and B increases by a factor of 100 when the concentration with respect to A is increased 10 folds the order of reaction w.r.t A is	A. 10 B. 1 C. 4 D. 2
6	A certain liberate 0.5 g of hydrogen in 2 h. How many grams of copper can be liberated by the same current flowing for the same time in a copper sulphare solution?	A. 12.7 gm B. 15.9 gm C. 31.8 gm D. 63.5 gm
7	A current of 9.65 ampere flowing for 10 minutes deposits 3.0 g of the metal which is monovalent the atomic mass of the metal is	A. 10 B. 50 C. 30 D. 96.5
8	A solution of sodium sulphate was electrolysed using some inert electrodes. The products at the electrodes are	A. O₂, H₂ B. O ₂ , Na C. O ₂ , SO ₂ D. O ₂ , S
9	A cell constant is generally found by measuring the conductivity of aqueous solution of	A. BaCl ₂ B. KCl C. NaCl D. MgCl ₂

A. Forms complex ions in solution
 B. Gives ions only when electricity is passed

C. Possesses ions even in solid state
D. Gives ions only when dissolved in water
