

NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	Ethyl chloride on treatment with aqueous alkali gives	A. Ethane B. Ethene C. Ethanal D. Ethanol
2	Which of the following with aqueous KOH will give acetaldehyde?	A. 1,2-Dichloroethane B. 1, 1-Dichloroethane C. Chloroacetic acid D. Ethyl chloride
3	Carbon atom holding halogen in aryl halides is	A. Sp ² -hybridised B. Sp ³ -hybridised C. Sp ² -hybridised D. Sp ³ -hybridised
4	Which of the following reagent cannot be used for preparing alkyl chloride from alcohol?	A. HCl + anhyd. ZnCl ₂ B. NaCl C. PCl ₅ D. SOCl ₂
5	Octane number can be changed by	A. Isomerisation B. Alkylation C. Cyclisation D. All of these
6	The treatment of benzene with isobutene in the presence of sulphuric acid give	A. Isobutyl benzene B. Tert-Butyl benzene C. n-Butyl benzene D. no reaction
7	Which of the following species participate in sulphonation of benzene ring?	A. H ₂ SO ₄ B. HSO ⁻ C. SO ₃ D. SO ₂
8	Heating a mixture of sodium benzoate and soda lime gives	A. Benzene B. Methane C. Sodium benzoate D. Calcium benzoate