

NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	Benzene is obtained by fractional distillation of	A. Heavy oil B. Anthracene oil C. Middle oil D. Light oil
2	Which species represents the electrophile in aromatic nitration?	A. NO_2 B. NO_2^+ C. NO_2^- D. NO_2
3	Benzene + Ozone \rightarrow Y. in this sequence Y is	A. Benzene monoozonide B. Benzene diozonide C. Benzene triozone D. Succinic acid
4	Most common reactions of benzene and its derivatives are	A. Electrophilic addition reactions B. Electrophilic substitution reactions C. Nucleophilic addition reactions D. Nucleophilic substitution reactions
5	The reaction/method that does not give an alkane is	A. Catalytic hydrogenation of alkanes B. Wurtz reaction C. Hydrolysis of alkyl magnesium bromide D. Dehydrohalogenation of an alkyl halide
6	Which of the following method is most appropriate for the manufacture of methane?	A. By reduction of CH_2Cl_2 B. Wurtz reaction C. Liquefaction of natural gas D. None of these
7	The addition of HBr is easiest with	A. $\text{CH}_2 = \text{CHCl}$ B. $\text{ClCH} = \text{CHCl}$ C. $\text{CH}_3 - \text{CH} = \text{CH}_2$ D. $(\text{CH}_3)_2\text{C} = \text{CH}_2$
8	In Friedel-Craft's alkylation besides AlCl_3 the other reactants are	A. $\text{C}_6\text{H}_6 + \text{NH}_3$ B. $\text{C}_6\text{H}_6 + \text{CH}_4$ C. $\text{C}_6\text{H}_6 + \text{CH}_3\text{Cl}$ D. $\text{C}_6\text{H}_6 + \text{CH}_3\text{COCl}$