

## MDCAT Chemistry Chapter 13 Fundamental principles of organic chemistry Online Test

Sr	Questions	Answers Choice
1	Ethene is produced from ethyl chloride by reacting with alcoholic KOH. The process is called	A. Hydrogenation B. Dehydrogenation C. Dehydrohalogenation D. Oxidation
2	Ethyl and methyl groups are equidistant in a chain, the preference is given to?	A. Ethyl B. methyl C. both ethyl and methyl D. methyl mostly
3	Ethane when completely halogenated in excess of chlorine can form	A. Hexachloroethane B. Dichloroethane C. Pentachloroethane D. 1.1.2.2-tetrachloroethane
4	Addition of unsymmetrical reagent to an unsymmetrical alkene is governed by	A. Cannizzaro's Reaction B. Aldol Condensation C. Kirchhoff Rule D. Markownikov's Rule
5	The addition of HCl to ethene gives?	A. Chloroethane B. 1,2-dichloroethane C. 1.1-dichloroethane D. 2-chloroethane
6	2-Propenol, on rearrangement, yields	A. Propanal B. Propanone C. 2-propanol D. Both A and B
7	Benzene cannot undergo the ----- directly	A. Substitution reaction B. Addition reaction C. Oxidation reaction D. Elimination reaction
8	Naphthalene has two fused aromatic ring of carbon atom the molecular formula	A. C <sub>10</sub> H <sub>8</sub> B. C <sub>10</sub> H <sub>14</sub> C. C <sub>10</sub> H <sub>10</sub> D. C <sub>12</sub> H <sub>12</sub>
9	The reaction that generates an ionic bond is	A. Halogenation of ethene B. polymerization of ethene C. Hydrogenation of ethyne D. Reaction of ethyne with sodamide
10	Ethene can give all of the following reactions except	A. Addition B. Free radical substitution C. Hydrohalogenation D. Hydration
11	Benzene has pi electron	A. 2 B. 4 C. 6 D. 8
12	2,5-dimethyl-1-hexene has	A. Two sp <sup>2</sup> hybridized carbons B. Six sp <sup>2</sup> hybrid carbons C. Two double bonds D. Four pi electrons
13	Among the following the polycyclic aromatic compound is	A. Styrene B. Naphthalene C. Toluene D. Acetophenone
14	Acetylide can give back ethyne upon treatment with	A. water B. strong base C. dil. Acid D. weak base
15	Active sulphonating agent during sulphonation of benzene is	A. SO <sub>2</sub> B. SO <sub>3</sub> C. SO <sub>3</sub> H D. SO <sub>3</sub> <sup>+</sup>

16	Hydration of ethene is an example of	A. Electrophilic addition B. Electrophilic substitution C. Nucleophilic addition D. Nucleophilic substitution
17	Which group activates the benzene ring	A. -COOH B. -COR C. -CHO D. -OH
18	Benzene in the presence of $\text{AlCl}_3$ produces acetophenone when reacts with	A. Acetyl chloride B. Ethyl benzene C. Acetic acid D. Ethanoic acid
19	The origin of acidic nature of alkyne is?	A. small size of C B. Small size of H C. polarity of triple bond D. sp hybridization
20	Which of the following compound reacts slower than benzene in the electrophilic substitution.	A. Phenol B. Nitrobenzene C. Toluene D. Aniline