Hydrocarbons

Sr	Questions	Answers Choice
1	Chlorinatin of propane gives how many thpes of monochlorinated products.	A. 1 B. 2 C. 4 D. 3
2	The most stable carbonium ion among the following is.	A. (CH3)3C+ B. CH3+ C. CH3 CH2+ D. (CH3)2CH-
3	Which of the followng reactions can an alkane undergo.	A. Addition B. Substiutution C. Polymerization D. Nitration
4	The enhanced stability of conjugated diens compared to isolated dienes is primarily attributed to	A. Inductive effects the double bonds B. Increases s -character of the hybridized orbitals C. Delocatisation of electrons acros the conjugated system D. Steric hindrance between the double bonds
5	The test for unsaturation in a hydrocarbon that disappears the colour is.	A. Reaction with KMnO4 B. Reaction with NaOH C. Decolorization of Br2 Water D. Precipitate with Ag NO3
6	The numer of possible isomers of C4H10 is	A. 1 B. 2 C. 3 D. 4
7	Which of the following is most stable.	A. Teriary radical B. Primary radical C. Secondary radical D. Methyl radical
8	Geometrial isomerism is due to.	A. rotation around single bond B. Restricted rotation around double bond C. Electronegaivity difference D. Difference in funcional groups
9	Which of the following carbocations would be the least stable.	A. (CH3)2CH+ B. CH3CH2+ C. CH3+ D. (CH3)3C+
10	Which of the following represents a position isomer of CH3CH2CH=CH2	A. C2H2 B. CH3-CH=CH-CH3 C. CH4 D. C2H5OH
11	Which of the followign is a copolymer.	A. SBR Rubber B. Polyethene C. PVC D. Polypropylene
12	Reaction of ethene with cold, dilute alkaline KMnO4 gives.	A. CO2 B. Ethanoic acid C. Ethylene glycol D. Ethanol
13	The addition of unsymmetircal regent to an unsymmetrical alkene is in accordance with.	A. markovnikov's rule B. Hund'srule C. Le Chatelier's principle D. Aufbau principle
14	Hydrocarbon are compounds made of.	A. Hydrogen and oxygen B. Carbon and hydrogen C. Carbon , hydrogen, and oxygen. D. Carbon and oxygen

15	What intermediate is formed duirng the electrophilic additionof HBr TO AN ALKENE.	A. Carbonation B. Carbanion C. Radical D. Epoxide
16	Which is a pair of geometrical isomers.	A. Ethane and propane B. But-1- ene and but-2- ene C. eis-but-2- ene and trans -but-2-ene D. Benzene and toluene
17	Ethene belongs to which class of hydrocarbons.	A. Alkane B. Alkene C. Alkyne D. Aromatic
18	Isomers are compounds with	A. Same molecular formula, same structure B. Differnte molecular formula, same structure C. Same molecular formula, differente structure D. Same boiling points
19	Markovnikov's rule is used to predict	A. Major produc t i addition of HX to alkene B. Stability of alkenes C. Ptofuvy og gtrr tsfivsl hslohrnsyion D. Hydrolysis of esters
20	The general formula for alkanes is.	A. CnH2n+2 B. CnH2n-2 C. CnH2n D. CnH2n-1