Hydrocarbons

Sr	Questions	Answers Choice
1	Which of the following represents a position isomer of CH3CH2CH=CH2	A. C2H2 B. CH3-CH=CH-CH3 C. CH4 D. C2H5OH
2	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
3	The numer of possible isomers of C4H10 is	A. 1 B. 2 C. 3 D. 4
4	What is the first step in the free radical mechanism.	A. Termination B. Propagation C. Initiation D. Elimination
5	Free radical reactions typically occur in	A. Aromatic hydrocarbons B. Saturated alkanes C. Unsaturated alkenes D. Alcohols
6	Vulcanization of rubber increases its.	A. Conductivity B. Reactivity C. Hardness and elasticity D. Transparency
7	Chain isomerism occurs due to differences in	A. Funtional group B. Double bond position C. Carbon chain branching D. Molecular formula
8	Structuralisomers differ in	A. Only the boiling point B. Only the melting point C. Arrangemetn of atoms D. Number of atoms
9	Which of the following is an addition polymer.	A. Nylon B. Bakelite C. Polyethylene D. Terylene
10	Which of the following shows position isomerism.	A. But-1 -ene and but -2- ene B. Ethene and ethyne C. Propane and propene D. Cyclohexane and benzene
11	The bond angle in ethene is approximately	A. 109. 5 ^o B. 180. 5 ^o C. 120. ^o D. 90. ^o
12	What is the firt step in the electrophilic addition reaction of alkenes.	A. Formation of acarbocation B. Attack by nucleophile C. Attack by an electrophile on the double bond D. Formation of a free radical
13	Which of the following has a branched chain structure.	A. n - butane B. 2- methylpropane C. Ethane D. Propene
14	Halogenation of alkanes is an example of.	A. Electrophilic substitution B. Nucleophilic substitution C. Free radical substitution D. Oxidation
15	Which compound is a cycloalkane.	A. Butene B. Cyclopentane C. Benzene

		D. Cyclopentane
16	The structure of methane contains how many sigma bonds.	A. 1 B. 3 C. 4 D. 2
17	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
18	The product formed when ethene reacts with H2 i the presence of Ni is.	A. Ethanol B. Ethane C. Acetylene D. Butane
19	The most stable carbonium ion among the following is.	A. (CH3)3C+ B. CH3+ C. CH3 CH2+ D. (CH3)2CH-
20	In the electrophilic addition of HBr to propene, the major product is.	A. 1- bromopropane B. 2- bromopropane C. 3- bromopropane D. Isopropanol