FBQ1: Alkyl halides are conv Answer: alkenes	erted into	by dehydrohalogena	ation
FBQ2: The use of environmental reasons. Answer: Tetraethyllead	as octane	e number enhancer is being	curtailed for
FBQ3: In, fuel havir having a higher octane numb Answer: diesel engine		ne number is much more us	seful than those
FBQ4: Quality of diesel fuel in Answer: Cetane number	s expressed in	terms of a parameter called	
FBQ5:is given a cer Answer: Hexadecane	tane number 10	00	5.
FBQ6: Good quality diesel fu greater than Answer: 45	el required for	modern diesel engine has d	etane number
FBQ7: Boiling point of a cova	alent substance	e depends upon the	forces.
FBQ8: The function of hydrox abstract from the ca Answer: hydrogen			
FBQ9: The in a on the same side whereas the opposite side. Answer: Terminal carbon atom.	nose in a carbor	with an odd number of carb n chain with an even numbe	oon atoms lies er lie on the
FBQ10: Dehydration of alcohof Answer: acid and heat	nols which prod	uce alkenes requires the pr	esence
FBQ11: George Witting repo Answer: Carbonyl compound		of synthesising alkenes from	n
FBQ12: A catalyst mixed with Answer: poisoned	n a selective inl	hibiting agent is called a	catalyst
FBQ13: The joining of the tw lost of halogen occur in which Answer: wurtz			
FBQ14: Preparation of alkan method.	es from carbox	ylic acid is achieved by	

Answer: Kolbe's electrolytic FBQ15: Alkanes or cycloalkanes can be prepared by using platinum and palladium as a catalyst. Answer: hydrogenation of unsaturated hydrocarbons FBQ16: In Sabatier senderen's reaction method, the hydrogenation of alkanes takes place in the presence of catalyst. Answer: Nikel FBQ17: Alkylmagnesium halide is also called Answer: grignard reagent FBQ18: In the first step of Wittig reaction, the nucleophilic reagent primary or secondary alkyl halide to give phosphonium salt. Answer: Triphenylphosphine FBQ19: The starting material or primary reactant used for the preparation of Cyclopentanone is known as _____. Answer: barium adipate FBQ20: When an alkene reacts with borane, addition to the carbon-carbon double bond takes place to yield an Answer: organoborane can also be carried out by reacting ethyne and Grignard FBQ21: reagent, followed by the action of an alkyl halide. Answer: Alkylation FBQ22: The common name for 1,3,5-trimethylbenzene is _____ Answer: Mesitylene FBQ23: Alkanes undergo manly reaction, which can be explained using free radical chain mechanism. Answer: substitution FBQ24: The chemical reactions which take place in the presence of light are called reactions Answer: Photochemical FBQ25: Halogenation of alkanes does not occur in the dark but in the presence of _light. Answer: UV FBQ26: In the chain initiation step of halogenation of alkanes, the halogen molecule undergoes forming free radicals Answer: homolysis

FBQ27: In the second step of halogenation of alkanes, the halogen molecule abstract a

Answer: alkyl radical
FBQ28: Alkenes can be classified on the basis of the number of present in the molecules Answer: double bonds
FBQ29: Hydrocarbons containing two double bonds are called Answer: diolefins
FBQ30: In the allene molecule the central carbon atom is sp hybridized while the terminal carbon atom is hybridized Answer: sp2
Answer: sp2 FBQ31: An alcohol is converted to alkene by Answer: dehydration
FBQ32: In wittig reaction alkenes are synthesize fromcompounds Answer: carbonyl
FBQ33: Alkenes are readily hydroxylated to form a dihydroxy compound (diol) appropriately known as Answer: glycols
FBQ34: A reaction in which the double bond is completely broken and alkene molecule is converted into two smaller molecules is calledAnswer: ozonolysis
FBQ35: Alkynes are divided into two, namely Answer: Terminal and internal alkynes
MCQ1: Choose the correct option that best indicate the hybrid orbitals type, bond length and bond angle for methane. Answer: SP2, 134 pm and 1200
MCQ2: Choose the correct option that best indicate the hybrid orbitals type, bond length and bond angle for acetylene? Answer: SP, 120 pm and 1800
MCQ3: Grouping organic compounds based on their functional groups makes it easier to understand their? Answer: Chemical properties only
MCQ4: -OH is a functional group for which organic compound? Answer: Alcohol
MCQ5: What is the functional group of aldehyde? Answer: â"€CHO

MCQ6: What is the functional group of esters?

Answer: RCOOR'

MCQ7: A functional group can be defined as?

Answer: An atom or group of atoms in a molecule which exhibit a characteristic

chemical properties

MCQ8: The hydrocarbons are broadly classified into three namely____?

Answer: Aliphatic, alicyclic and aromatic

MCQ9: Benzene is an example of which type of hydrocarbon?

Answer: Aromatic hydrocarbon

MCQ10: When a compound has a carbon-nitrogen single bond it is called?

Answer: amine

MCQ11: When a compound has carbon-nitrogen double bond it is called?

Answer: Imine

MCQ12: When a compound has carbon-nitrogen triple bond it is called?

Answer: Nitrile

MCQ13: Amines are appropriately classified bases on the number of alkyl group

attached to the nitrogen atom as:

Answer: Primary, secondary and tertiary amines

MCQ14: An alcohol in which the oxygen atom is replaced by a sulphur atom is called?

Answer: Thiol

MCQ15: An aromatic compound which contained side chain hydroxyl group is called?

Answer: Phenol

MCQ16: The earliest nomenclature of the organic compounds was based on?

Answer: Their origin or properties

MCQ17: What are isomers?

Answer: Are compounds having the same molecular formula but different structural

presentation

MCQ18: n-butane means?
Answer: Straight chain butane

MCQ19: Iso-butane means? Answer: Branched butane

MCQ20: The number of possible isomers of an alkane increases with increase in

number of carbon atoms. True or false.

Answer: True

MCQ21: A member of a homologue series must poses a similar structure but differ in the repeating unit. Answer: â"€CH2â"€
MCQ22: â€~Undecane' is a straight chain alkane containing how many carbon atoms? Answer: 11
MCQ23: In reaction, a conjugated diene is treated with an unsaturated compound called dienophile to yield a cyclic system. Answer: Diels-Alder
MCQ24: The terminal alkynes on hydroboration giveAnswer: aldehydes
MCQ25: Reactions that lead to the attachment of alkyl group to a molecular fragment are called Answer: Alkylation reaction
MCQ26: involves elimination of the halogen atom together with a hydrogen atom from an adjacent carbon atom. Answer: Dehydrohalogenation
MCQ27: Alkyl halides are converted into alkenes by, by treating with a strong base. Answer: dehydrogenation
MCQ28: Rapid decolourization of bromine solution serves as a test for the presence of the in a compound. Answer: C=C
MCQ29: When alkene reacts with borane, addition to the C=C takes place to yield organoborane a compound with a carbon-boron bond, the reaction is known as
Answer: hydroboration
MCQ30: In compounds, the molecules are formed by the sharing of electron pairs between the constituent atoms. Answer: covalent
MCQ31: Which of these compounds have a benzene ring with a methyl group at position one? Answer: Toluene
MCQ32: A benzene ring with a methyl group at position one and nitro group at position three is? Answer: pâ^'nitrotoluene
MCQ33: Which of these theoretical concepts enables realistic modelling of molecular

structure? Answer: hybridization
MCQ34: is how a sigma (Î') bond is formed. Answer: edge-on overlap of pure s and p orbitals
MCQ35: The relationship between bond length and bond order is

Downloaded from noungeeks.com