

ST. LAWRENCE HIGH SCHOOL





Study Material

Subject: Physical Science

CLASS - 10

Topic: Organic Chemistry

Date: 20/06/2020

(i) Very Short Answer Type Questions

Q.1.	What is	the	common	element	of organ	ic com	pounds '	?

Ans. Carbon is the common element of organic compounds.

Q.2. What is Catenation?

Ans. Catenation is the property of organic compounds where a large number of carbon atom link together.

Q.3. What is monomer?

Ans. Monomer is a small organic molecule that joins with other similar molecules to form a polymer.

Q.4. What is mustard gas?

Ans. It is a gas produced from ethylene.

Q.5. What is a primary alcohol?

Ans. It is a type of alcohol in which the carbon atom bearing the OH group contains at least 2 hydrogen atoms.

Q.6. What is an unsaturated hydrocarbon?

Ans. It is an organic compound in which at least two carbon atoms join by covalent double or triple bond.

Q.7. What is a saturated hydrocarbon?

Ans. It is hydrocarbon in which carbon atoms are linked with single covalent bond.

Q.8. What is a functional group?

Ans. Functional group is a group of atoms present in organic compounds of a class determining almost the common properties of the compounds.

Q.9. What type of bonding exists in organic compounds?

Ans. Covalent type of bonding exists in organic compounds.

Q.10. What is DNA?

Ans. DNA stands for deoxyribonucleic acid.

Q.11. What are biomolecules?

Ans. These are some organic molecules involved in metabolic process.

Q.12. What is isomerism?

Ans. Isomerism is the property due to which a group of organic compounds of same molecular formula but differ from each other in their structural formulae and properties.

Q.13. State one use of methane.

Ans. Use of methane: As a domestic and industrial fuel.

Q.14. State one use of ethylene.

Ans. Use of ethylene: To prepare polythene.

- Q.15. State one use of acetylene?
- Ans. Use of acetylene: To produce benzene, artificial rubber.
- Q.16. What are the essential two components of amino acids?
 - Ans. The essential two components of amino acids are carboxyl (-COOH) and an amino (-NH₂) group attached to the same carbon atom.
- Q.17. Name and write down the formula of a ketone.
- **Ans.** The name of a ketone is acetone (CH_2COCH_2).
- Q.18. Which gas burns in a carbide gas lamp?
- Ans. Acetylene gas burns in a carbide gas lamp.
- Q.19. What change of litmus will occur in alcohol?
- Ans. Alcohol is a neutral compound, so no change of colour of a litmus paper dipped in it occurs.
- Q.20. What is the functional group of alcohol?
- **Ans.** Hydroxyl group (-OH) is the functional group of alcohol.
- Q.21. Which gas is known as marsh gas? Why is it called so?
- Ans. Methane gas is known as marsh gas. It is present in marshy (i.e. always watery) lands, so it is called marsh gas.
- Q.22. Name three hydrocarbons available from coal gas.
- Ans. Methane, ethylene, acetylene are three hydrocarbons available from coal gas.
- Q.23. Give two examples of alkyne with corresponding formulae.
- **Ans.** Two alkyne:
- (a) Acetylene (HC = CH)
- (b) Propyne (CH₂- C \equiv C H)
- Q.24. What is alkane? Write down its general formula.
- Ans. An alkane is an open-chained saturated hydrocarbon. The general formula of alkane: $C_n H_{2n+n}$ (n – integer)
- Q.25. Name and draw structural formula of a saturated organic compound.
- Ans. Saturated organic compound: Ethane

Η Η Structure of Ethane: H - C - C - H

Q.26. Name and draw structural formula of an unsaturated organic compound.

Ans. Unsaturated organic compound: Ethylene

Η Η Structure of Ethylene: H - C = C - H

- Q.27. Name and draw structural formula of an aromatic compound.
- Ans. Aromatic compound: Benzene

Structure of Benzene:

Q.28. Name three organic compounds used in daily life.

Ans. Three organic compounds used in dialy life: Carbohydrates, proteins, glucose.

Q.29. Name two plymers.

Ans. Two polymers are: (a) Polythene

(b) Teflon

Q.30. What is hydrocarbon? Name the simplest hydrocarbon.

Ans. Hydrocarbon: A binary compound formed of carbon and hydrogen by covalency is called hydrocarbon.

Simplest hydrocarbon: Methane (CH₄).

Q.31. What is PVC? State its use.

Ans. PVC: It is polyvinyl chloride, its monomer is vinyl chloride. Uses of PVC: To prepare water and rain pipes, toys etc.

Q.32. Why butane is used in LPG?

Ans. Butane is the most convenient fuel for domestic use because both isomers of butane (*n*-butane and isobutane) are easily liquefied and can be transported in steel cylinders easily.

Q.33. How does the boiling point of alkane changes?

Ans. The boiling point generally increase with increase in the number of carbon atoms.

Q.34. What is mineral oil?

Ans. Oil obtained from petroleum is called mineral oil.

Q.35. What is fire damp?

Ans. The gas responsible for explosions in coal mines is methane and is also known as fire damp.

Q.36. Why are the alkenes more reactive than alkanes?

Ans. The chemical reactivity of alkenes are more than alkanes due to presence of π electron in alkenes.

Q.37. How many s and p bonds are present in ethylene?

Ans. Ethylene has one π -bond and five σ -bonds.

Q.38.	Why the hydrogens of alkynes are acidic in nature.				
Ans.	Hydrogen has appreciable acidic character when bond to a carbon atom of a(C				
	- C) triple bond (in case of alkune)				
Q,39 .	What are the end products of combustion of hydrocarbons?				
Ans.	End products of combustion of all hydrocaroons are caroon assertion				
Q.40.	What is the most oxidised form of hydrocarbon? RCOOH (R = alkyl group) represents the most oxidised form of hydrocarbons.				
Ans.	RCOOH (R = alkyl group) represents the most oxidised form of the second				
Q.41.	What is sahation and sonderens reaction :				
	Hydrogenation of unsaturated aliphatic hydrocarbons in presence of nickel catalyst is called sabatier and senderens reaction.				
Q.42.	What is the condition for halogenation of alkanes?				
Ans.	Halogenation of alkanes does not occur in absence of light or heat.				
Q.43.	What is aldose?				
Ans.	Carbohydrate containing aldehyde $(-C = 0)$ group is called aldose.				
	1.				
	Н				
Q.44.	What is ketose?				
	Carbohydrate containing keto ($>$ C = 0) group is called ketose.				
	Give an example of a monosaccharide.				
	Glucose $(C_6H_{12}O_6)$				
Q.46.	Give an example of polysaccharide.				
Ans.	Starch.				
	What is pyrofax?				
Ans.	Propane is used as a fuel under the name pyrofax.				
Q.48.	What is an artificial camphor?				
Ans.	Hexachloroethane is called artificial camphor.				
Q.49.	What is TEL ?				
	TEL is commonly used antiknock compound tetraethyl lead, [(C2H5)4 Pb].				
	What is AK - 33X ?				
	To avoid lead pollution, a new compound called AK - 33X (cyclopentadien				
	manganese carbonyl) is used as an antiknock these days.				
Q.51.	What is dextrose?				
Ti //	Glucose is called grape sugar or dextrose.				
	What is fruit sugar?				
	Fructose is called laevolase or fruit sugar and is the sweetest sugar.				
	What is milk sugar?				
6.Te2					
	Lactose is known as milk sugar.				
_	What is amylum?				
	Starch is called amylum.				
•	State an example of globular protein.				
Ans.	Insulin is an example of globular protein.				

Q.56. What is nucleotide? Ans. Both DNA and RNA are polymers of a basic repeating unit, called a nucleotide. Q.57. What is the sugar present in RNA? Ans. Sugar present in RNA is ribose. Q.58. What is the sugar present in DNA? Ans. Sugar present in DNA is 2-deoxyribose. Q.59. What are the main functions of nucleic acids? Ans. Main functions of nucleic acids are the direct synthesis of protein in living cells and transference of genetic information. Q.60. Who discovered the double helix structure of DNA? Ans. The double helix structure of DNA was proposed by Watson and Crick (1953). Q.61. What is called gene? Ans. DNA sequence that acts as a code for a specific protein or a polypeptide is called gene. Q.62. What is called an anabolism? Ans. Anabolism is the process in which macro molecules are synthesised by the cell. Q.63. What is called catabolism? Ans. Catabolism is the process in which macro molecules break into smaller ones. Q.64. What is metabolism? Ans. Metabolism is the combination of anabolism and catabolism. Q.65. What is proteases? **Ans.** Proteases is the breakdown of large protein molecules into peptides. Q.66. Who converts peptides into amino acids? **Ans.** Peptidases convert peptides into amino acids. Q.67. What is soda lime? **Ans.** Soda lime is a mixture of sodium hydroxide and calcium oxide (NaOH + CaO). Q.68. What is the source of acetylene?

Ans. The source of acetylene is calcium carbide (CaC_2) from which it is obtained by the action of water at ordinary temperature. $CaC_2 + 2H_2O \rightarrow C_2H_2 + Ca(OH)_2$.

(ii) Fill in the blanks

Q.1.	— is the abbreviation of polyvinyl chloride.			
	PVC.			
Q.2 .	The monomer of —— is tetrafluoroethene.			
Ans.	teflon.			· ·
Q.3.	is a large molecule made up of many similar ur	nits	of	small
	molecules.			Jillall
Ans.	Polymer.			

	aldehydes.
5.	Alkynes are hydrocarbons where at least two carbon atoms combin
	with a —— bond.
	triple.
.	The function group of organic acid is ——.
•	—СООН.
	The functional group of —— is -NH ₂ .
	amines.
	Hydrocarbons in which at least two carbon atoms join with a doub
	bond are called —.
•	alkenes.
	Catenation is the property where a large number of —— atoms li
	together to form large organic molecules.
8.	carbon.
).	Proteins contain various kinds of —— acids.
	amino .
	RNA is the abbreviation for —— acid.
	ribonucleic.
•	— is a complex organic compound responsible for reproduction a
	maintaining heredity.
_	Gene.
•	— and proteins are the polymerisation products of amino acids.
	Polypeptides.
	Amino acids are the end products of the digestion of —.
	proteins.
j.	Polypeptide chains are the chains of —
	polymers of amino acids.
5.	Sucrose on hydrolysis give one — and one fructose molecule.
s.	glucose.
	Starch is —— saccharide.
	poly.
	Carbohydrates containing a keto group are called —.
8.	ketoses.
	Vitamin C is soluble in ——.
	water.
•	And the Art of the Art
•	
	Globular proteins are — in water.
3.	soluble. The carbon chains in alkenes are —.

2.22. Hydrocarbons are more soluble in —— solvents.						
<i>Q.</i> 23.	23. Ethane on combustion produces —. Carbon dioxide and water.					
Ans.						
Q.24.	Al ₄ C ₃ evolves — when treated with water.					
Ans.	methane.					
Q .25 .	Halogenation of alkanes does not occur in —.					
Ans.	dark.	r 3 Q				
Q. 26 .	Wurtz reaction is used for the preparation of —					
	alkanes.	6417				
Q.27 .	Melting point of organic compounds are than	of inorgan	ic			
	compounds.	•	_			
Ans.	lower.					
Q. 28 .	Organic compounds are and inorganic comp	ounds are				
	covalent, electrovalent					
Q. 29 .	Kekule proposed C is and Vant Hoff proves C is		<u>.</u>			
	(iii) Multiple Choice Questions	47 31	Ç)			
	(iii) Multiple Choice Questions C_H _{2a + 2} is general formula of		U			
Q.1.	(iii) Multiple Choice Questions C_H _{2a + 2} is general formula of Alkenes B Alkynes C Alkanes D Ring		Q.			
Q.1. Ans.	(iii) Multiple Choice Questions C_H ₂₄ is general formula of Alkenes B Alkynes C Alkanes D Rin (C) Alkanes	ng	3 /			
Q.1. Ans.	(iii) Multiple Choice Questions C_H _{2a + 2} is general formula of (A) Alkenes (B) Alkynes (C) Alkanes (D) Ring (C) Alkanes Aliphatic hydrocarbons with double bond:	ng				
Q.1. Ans.	(iii) Multiple Choice Questions C_H_2, is general formula of A Alkenes B Alkynes C Alkanes (C) Alkanes Aliphatic hydrocarbons with double bond: B generally add bron	ng Han Ta	· ·			
Q.1. Ans. Q.2.	(iii) Multiple Choice Questions C_H _{2a} , is general formula of (A Alkenes	ng nine				
Q.1. Ans. Q.2. Ans.	(iii) Multiple Choice Questions C_H_2, is general formula of Alkenes B Alkynes C Alkanes C Alkanes Aliphatic hydrocarbons with double bond: B generally add bromine B generally add bromine	ng nine affin				
Q.1. Ans. Q.2. Ans.	(iii) Multiple Choice Questions C_H _{2a} , is general formula of (A Alkenes	ng nine affin				
Q.1. Ans. Q.2. Ans.	(iii) Multiple Choice Questions C_H_2, is general formula of A Alkenes B Alkynes C Alkanes (C) Alkanes Aliphatic hydrocarbons with double bond: B generally add brom C belong to the acetylene family group D belong to the para (B) generally add bromine When sodium acetate is heated with soda lime, the reactions C H_2, is general formula of C Alkanes D Rin C D B generally add brom C belong to the acetylene family group D belong to the para	ng nine affin	ed			
Q.1. Ans. Q.2. Ans. Q.3.	(iii) Multiple Choice Questions C_H ₂₄ is general formula of A Alkenes B Alkynes C Alkanes C Alkanes Aliphatic hydrocarbons with double bond: B generally add brong belong to the acetylene family group D belong to the para B generally add bromine When sodium acetate is heated with soda lime, the reaction D Dehydrogenation D Dehydrohalogenation B Decarboxylation D Dehydrohalogenation	nine affin	ed e			
Q.1. Ans. Q.2. Ans. Q.3.	(iii) Multiple Choice Questions C_H_2, is general formula of (A Alkenes	nine affin	ed e			
Q.1. Ans. Q.2. Ans. Q.3.	(iii) Multiple Choice Questions C_H_2, is general formula of (A) Alkenes (B) Alkynes (C) Alkanes Aliphatic hydrocarbons with double bond: (A) are saturated (B) generally add brond (C) belong to the acetylene family group (D) belong to the para (B) generally add bromine When sodium acetate is heated with soda lime, the reaction (A) Dehydration (B) Decarboxylation (C) Dehydrogenation (D) Dehydrohalogenation (B) Decarboxylation Ethylene can be prepared by reacting ethyl bromide with (A) Alcoholic KOH (B) Amoniacal AgNO3	nine affin	ed e			
Q.1. Ans. Q.2. Ans. Q.3.	(iii) Multiple Choice Questions C_H_2	nine affin ion is calle	ed e			
Q.1. Ans. Q.2. Ans. Q.3. Ans. Q.4.	(iii) Multiple Choice Questions C_H_2_, is general formula of (A) Alkenes (B) Alkynes (C) Alkanes Aliphatic hydrocarbons with double bond: (B) generally add brom (C) belong to the acetylene family group (B) generally add bromine When sodium acetate is heated with soda lime, the reaction (C) Dehydrogenation (D) Dehydrohalogenation (E) Decarboxylation Ethylene can be prepared by reacting ethyl bromide with (A) Alcoholic KOH (B) Amoniacal AgNO3 (C) Acidified KMnO4 (C) Acidified KMnO4 (D) C and H2SO4 (A) Alcoholic KOH.	nine affin h:	. So ed			
Q.1. Ans. Q.2. Ans. Q.3. Ans. Ans.	(iii) Multiple Choice Questions C. H., is general formula of A Alkenes B Alkynes C Alkanes Aliphatic hydrocarbons with double bond: A are saturated B generally add bromine When sodium acetate is heated with soda lime, the reaction Dehydration Dehydrogenation Dehydrogenation B Decarboxylation Dehydrode can be prepared by reacting ethyl bromide with A Alcoholic KOH A Alcoholic KOH. B Amoniacal AgNO3 C and H2SO4 Alcoholic KOH. The product obtained when chloroform is treated with silventic can be prepared when chloroform is treated with silventic can be product obtained when chloroform is treated with silventic can be product obtained when chloroform is treated with silventic can be product obtained when chloroform is treated with silventic can be product obtained when chloroform is treated with silventic can be product obtained when chloroform is treated with silventic can be prepared by can be p	nine affin h:	. So ed			

Q. 6	A metallic carbide on treatment with water gives a colourless gas which burns readily in air and gives a precipitate with ammoniacal silvenitrate. The gas is:					
	A Methane	B Ethane	© Ethylene	(D) Acetylene		
Ans	. (D) Acetylene	· ·		_		
Q.7				s a precipitate u		
	ammoniacal silv			@ Ethana		
A	(A) Acetylene	B Ethylene	© Methane	(D) Ethane		
	(B) Ethylene					
W.O.	The LHCC bone			⊕ 180°		
Ans	(B) 120°	B 120°	© 109°28'	130		
	Saturated hydro	carbone mainly	undergo:			
	Addition reacti		(B) Substitution r	reactions		
	© Elimination rea		(D) Polymerisatio	C 31		
Ane	(B) Substitution re		D'i Olymensudo	••		
	Which of the fo	And the second of the second o	s strongest ?	imas sanognii sai		
4.20				O none of the		
	(C) —C ≡ C —	B)C=C-	© —C = C-	 D none of these 		
A						
		H TH Ni	mais X° H — ie call	e tetavalent dv		
			C _n H _{2n+2} is call	ed :		
	The reaction C, A Kolbe's reaction	n	B Annizzaro's re	ed:		
Q.11.	The reaction C, (A) Kolbe's reaction (C) Sabatier and Se	n enderen's reaction	B Annizzaro's re	ed:		
Q.11. Ans.	The reaction C, (A) Kolbe's reaction (C) Sabatier and Second (C) Sabatier and second (C)	n enderen's reaction enderen's reaction	B Annizzaro's re	ed: eaction reaction		
Q.11. Ans.	A Kolbe's reaction Sabatier and Se (C) Sabatier and se Both methane	n enderen's reaction enderen's reaction nd ethane may	B Annizzaro's re D Clemmensen be obtained in or	ed: eaction reaction ne step reaction		
Q.11. Ans. Q.12.	A Kolbe's reaction Sabatier and Se (C) Sabatier and se Both methane a A C ₂ H ₄	n enderen's reaction enderen's reaction	B Annizzaro's re	ed: eaction reaction		
Q.11. Ans. Q.12. Ans.	The reaction C, (A) Kolbe's reaction (B) Sabatier and Second Sec	n enderen's reaction enderen's reaction nd ethane may B CH ₃ I	B Annizzaro's re D Clemmensen be obtained in or C CH ₃ OH	eaction reaction me step reaction D C ₂ H ₅ OH		
Q.11. Ans. Q.12. Ans.	The reaction C, (A) Kolbe's reaction (B) Sabatier and Social (C) Sabatier and	n enderen's reaction enderen's reaction nd ethane may B CH ₃ I	B Annizzaro's re B Clemmensen C CH ₃ OH Es methane on tre	eaction reaction ne step reaction D C ₂ H ₅ OH eatment with water		
Q.11. Ans. Q.12. Ans.	The reaction C, A Kolbe's reaction Sabatier and Se (C) Sabatier and se Both methane a A C ₂ H ₄ (B) CH ₃ I Which of the fol A Silicon carbide	enderen's reaction enderen's reaction and ethane may B CH ₃ I	B Annizzaro's re B Clemmensen C CH ₃ OH S methane on tre	eaction reaction ne step reaction D C ₂ H ₅ OH eatment with water		
Q.11. Ans. Q.12. Ans. Q.13.	The reaction C, (A) Kolbe's reaction (B) Sabatier and Second and	nenderen's reaction enderen's reaction nd ethane may B CH ₃ I lowing liberate	B Annizzaro's re B Clemmensen C CH ₃ OH Es methane on tre	eaction reaction ne step reaction D C ₂ H ₅ OH eatment with water		
Q.11. Ans. Q.12. Ans. Q.13.	The reaction C, (A) Kolbe's reaction (C) Sabatier and Se (C) Sabatier and se (C) Sabatier and se (C) Both methane and (A) C ₂ H ₄ (B) CH ₃ I Which of the fol (A) Silicon carbide (C) Aluminium carb (C) Aluminium carb	enderen's reaction enderen's reaction md ethane may B CH ₃ I lowing liberate bide	B Annizzaro's re B Annizzaro's re C Clemmensen C CH ₃ OH S methane on tre B Calcium carbide	eaction reaction The step reaction of the contraction of the contract		
Q.11. Ans. Q.12. Ans. Q.13.	The reaction C, (A) Kolbe's reaction (C) Sabatier and Se (C) Sabatier and se Both methane a (A) C ₂ H ₄ (B) CH ₃ I Which of the fol (A) Silicon carbide (C) Aluminium carb (C) Aluminium carb (D) heating sodium	enderen's reaction enderen's reaction and ethane may B CH ₃ I lowing liberate bide	B Annizzaro's re B Annizzaro's re C Clemmensen C CH ₃ OH S methane on tre B Calcium carbide	eaction reaction ne step reaction D C ₂ H ₅ OH eatment with water		
Q.11. Ans. Q.12. Ans. Q.13.	The reaction C, (A) Kolbe's reaction (B) Sabatier and Second Sec	enderen's reaction enderen's reaction md ethane may (B) CH ₃ I. Lowing liberate bide bide	B Annizzaro's re B Annizzaro's re C Clemmensen C CH ₃ OH S methane on tre B Calcium carb D Iron carbide	eaction reaction The step reaction of the contraction of the contract		
Q.11. Ans. Q.12. Ans. Q.13. Ans. Q.14.	A Kolbe's reaction Sabatier and So (C) Sabatier and so Both methane a A C ₂ H ₄ (B) CH ₃ I Which of the fol A Silicon carbide A Aluminium carb On heating sodium be: A Acetylene	enderen's reaction enderen's reaction and ethane may B CH ₃ I lowing liberate bide	B Annizzaro's re B Annizzaro's re C Clemmensen C CH ₃ OH S methane on tre B Calcium carbide	eaction reaction The step reaction of the contraction of the contract		
Q.11. Ans. Q.12. Ans. Q.13. Ans. Q.14.	The reaction C, A Kolbe's reaction Sabatier and Se (C) Sabatier and se Both methane a A C ₂ H ₄ (B) CH ₃ I Which of the fol A Silicon carbide A Silicon carbide A Luminium carb (C) Aluminium carb (C) Aluminium carb (C) Acetylene (C) Methane.	enderen's reaction enderen's reaction and ethane may B CH ₃ I lowing liberate bide	B Annizzaro's real D Clemmensen be obtained in or C CH ₃ OH s methane on tre B Calcium carbide Sodium hydroxid C Methane	eaction reaction ne step reaction D C ₂ H ₅ OH eatment with water oide D Ethylene		
Q.11. Ans. Q.12. Ans. Q.13. Ans. Q.14.	The reaction C, (A) Kolbe's reaction (C) Sabatier and Se (C) Sabatier and se (C) Sabatier and se (C) Sabatier and se (C) Aluminium carbon (C) Aluminium carbon (C) Aluminium carbon (C) Aluminium carbon (C) Methane (C) Methane	enderen's reaction enderen's reaction and ethane may B CH ₃ I lowing liberate bide bide B Ethane	B Annizzaro's reaction B Annizzaro's reaction C CH ₃ OH B Calcium carb D Iron carbide Methane Methane	eaction reaction The step reaction of the step rea		
Q.11. Ans. Q.12. Ans. Q.13. Ans. Q.14.	The reaction C, (A) Kolbe's reaction (C) Sabatier and Se (C) Sabatier and se (C) Sabatier and se (C) Sabatier and se (C) Aluminium carbon (C) Aluminium carbon (C) Aluminium carbon (C) Aluminium carbon (C) Methane (C) Methane	enderen's reaction enderen's reaction and ethane may B CH ₃ I lowing liberate bide bide B Ethane	B Annizzaro's reaction B Annizzaro's reaction C CH ₃ OH B Calcium carb D Iron carbide Methane Methane	eaction reaction The step reaction of the step rea		
Q.11. Ans. Q.12. Ans. Q.13. Ans. Q.14.	The reaction C, (A) Kolbe's reaction (C) Sabatier and Se (C) Sabatier and se (C) Sabatier and se (C) Sabatier and se (C) Aluminium carbon (C) Aluminium carbon (C) Aluminium carbon (C) Aluminium carbon (C) Methane (C) Methane	enderen's reaction enderen's reaction and ethane may B CH ₃ I lowing liberate bide bide B Ethane wing atriple boring in the molecular in t	B Annizzaro's reaction B Annizzaro's reaction C CH ₃ OH B Calcium carb D Iron carbide Methane Methane	eaction reaction ne step reaction D C ₂ H ₅ OH eatment with water oide D Ethylene		

	(A) Ethyne	B Ehene	© Benzene	(D) Ethane
Ans.	(A) Ethyne		·	
2.17.	Final product of	the oxidation of	hydrocarbon is :	Section 10 range
	(A) CO ₂ and H ₂ O	(B) Alcohol	(C) Acid	(D) Aldehyde
Ans.	(A) CO_2 and H_2O .	•	3 - 1010	G . 22 0., 900
Q.18.	General formula	for alkenes is :		
	(A) C _n H _{2n}	(B) C _n H _{2n+2}	© C _n H _{2n-2}	(D) C _{2n} H _{2n}
Ans.	$(A) C_n H_{2n}$	0 n 12n+2	O _n 1 1 _{2n-2}	2n 2n
	Marsh gas main	v contains :		
	(A) H ₂ S	(B) CO	(C) CH ₄	(D) C ₂ H ₂
Ans.	(C) CH	9	9 4	G -2 2
Q. 2 0.	Which of the fol	lowing gases is u	sed in welding?	Mary Francis
	$(A) C_2 H_4$	B C ₂ H ₂	(C) CH ₄	(D) C ₂ H ₆
Ans.	(B) C_2H_4	O . 11	•	• • •
Q.2 1.	Which hydrocar	bon is used in ma	aking prințer's in	k and paints?
	(A) CH₄	$\mathbb{B} C_2H_6$	© C₂H₄	$\bigcirc C_2H_2$
	(A) CH₄		,	
Q <i>.2</i> 2.	The sugar which		liver to act as re	serve food is:
_	(A) Glycogen	B Glucose	© Sucrose	Tructose
	(A) Glycogen.			
Q.23 .	Sweetest among		THE RESERVE OF THE PERSON NAMED IN COLUMN 2 IN COLUMN	e men wolf, bu
_	(A) Fructose	B Glucose	© Sucrose	① Lactose
	(A) Fructose			
2.24.	The main struct		The second secon	6,6
	A Ether linkage	B Peptide linkage	Ester linkage	(D) All the above
	(B) Peptide linkage	11		
<i>).2</i> 5.	Which of the fol			ACM O
	A Terry cotton	B Natural silk	Nylon .	(D) Rayon
	(B) Natural silk.	landar contains		
<i>).2</i> 6.	Which of the fol			
_	A Fats	B Proteins	© Carbohydrate	(D) None
	(B) Proteins		do	Marina managamana a managaman
.27.\	Which of the follo	owing is an organ		
	(A) urea		B NaHCO ₃	
	© CO ₂		NH₄CNS	
Ans.	(A) urea	and are		
Q.28 .	Organic compo	mus are.	(B) low melting	
	A high melting	_		
	soluble in wate	r,	Conducts elect	ricity in molten state
Ans.	(B) low melting			

Q.29.	Tetravalence of carbon is propos	ed by:s'it disappoint about 010
	(A) Wohler	B Lavoisier
	© Kekule	(b) Vant Hoff
Ans.	(C) Kekule	The state of the state of the
	Tetrahedral model of carbon con	apounds proposed by:
	(A) Kekule	(B) Rutherford
	© Wohler	D Vant Hoff
Ans.	(D) Vant Hoff	
	The number of covalent bonds p	resent in ethane is:
	A 4	B 6
	© 7	© 9
Ans.	(C) 7	304
	Which molecule has tetrahedral	geometry?
,	(A) methane	(B) ethylene
	© acetylene	(D) carbon dioxide
Ans.	(A) methane	0 0000000000000000000000000000000000000
	Which does not react with meta	llic sodium ?
•	A methyl alcohol	B ethyl alcohol
	acetic acid	(D) dimethyl ether
Ans	(D) Dimethyl ether.	difficulty cuter
		possible with the molecular formula
4.01.	C,H,O?	poseroie with the molecular lothing
	Q 1	B 2
	@3	© 4
Ans	(B) 2	•
	* · · · · · · · · · · · · · · · · · · ·	are possible with molecular formula
Q.00.	C,H,O?	the possible with molecular formula
	Q 1	B 3
	©2	
A	(C) 2	Q 4
	IUPAC name of CH,CH,CH,OH	
W.JU.		
	A propan-1-ol	® n-propanol
	© isopropanol	propyl alcohol
Ans.	(A) Propan-I-ol	