

7) Methane can react with halogens under catalyzed conditions of sunlight.

Such reactions are called:

- (a) Addition (b) Substitution
(c) Displacement (d) Photo chemical

8) To prepare ammonia industrially through Haber's process, Hydrogen is obtained from:

- (a) Water (b) Propane
(c) Methane (d) Polymerization

9) Polyethylene is produced from ethylene at high tem. & pressure. This is an example of reactions:

- (a) Addition (b) Hydroxylation
(c) Hydrogenation (d) Polymerization

10) The Hydrocarbon gas that is applied as general anesthesia is:

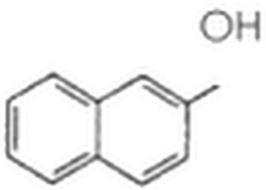
- (a) Ethyne (b) Ethane (c) Ethylene (d) Natural gas

11) If we heat sodium propionate with soda lime we'll get the gas:

- (a) Methane (b) Ethane (c) Propane (d) Butane
(b)

12) The gas obtained by a reaction of CaC_2 and water is:

- (a) Ethane (b) Ethene (c) Propane (d) Methane

13) The name of  is

19) Ethene was reacted with atomic oxygen in presence of Ag as Catalyst. The product obtained was hydrolyzed with water. Final product is:

- (a) Ethanol. (b) Ethane (c) Ethyne (d) Ethanal

20) Ethylene was heated with an aqueous solution of H_2SO_4 (10%) along with HgSO_4 . The product obtained is:

- (a) 1,2 — Dibromo ethane (b) 1, 1 — Dibromo ethane
(c) Bromo ethane (d) None of these is correct

21) Chemically Baeyer's reagent is:

- (a) 1% alkaline KmnO_4 (b) 10% alkaline KmnO_4
(c) 15% alkaline KmnO_4 (d) 30% alkaline KmnO_4

22) Which alcohol is dehydrated first:

- (a) Prime. Alcohol (b) Sec. Alcohol
(c) Tert. Alcohol (d) None of these

23) Reaction of chlorine with methane is called:

- (a) Substitution reaction (b) Addition reaction
(c) Displacement reaction (d) Double displacement reaction

24) Carbon black is obtained from:

- (a) Alkanes (b) Alkenes (c) Alkynes (d) Benzene

25) Catalytic oxidation of CH_4 gives:

- (a) Formic acid (b) Acetic acid (c) Carbolic acid (d) Carbonic acid

26) Sodium propionate on reaction with NaOH gives:

35) The temperature of oxy-acetylene flame is:

- (a) 1000 - 1100 °C (b) 1000-3000 °C (c) 400 – 500°C (d) 500 -600 °C

36) Vinyl bromide on reaction with HBr in presence of R_2O_2 give the proct.

- (a) 1,2-dibromo ethane (b) 1,1 — dibromo ethane
(c) 1, 1, 1 -tribromo ethane (d) None of these is correct

37) Which of the following is an unsaturated hydrocarbon:

- (a) Cyclo alkane (b) $CH_3CH(Cl)CH_3$
(c) $CH_3CH(CH_3)$ (d) $CH_3CHCHCH_3$

38) Electrolysis of aqueous sodium succinate yields:

- (a) ethane (b) ethene (c) ethyne (d) None of these
(b)

39) Calcium oxide was heated with carbon at 3000°C, and the obtained product was reacted with water, final product is:

- (a) ethane (b) ethene (c) ethyne (d) $C + H_2O$

Answer:

1)	b)	2)	b)	3)	b)	4)	c)	5)	c)
6)	a)	7)	d)	8)	c)	9)	d)	10)	c)
11)	b)	12)	c)	13)	b)	14)	c)	15)	c)
16)	b)	17)	a)	18)	d)	19)	a)	20)	a)

21)	a)	22)	c)	23)	a)	24)	a)	25)	a)
26)	b)	27)	b)	28)	c)	29)	b)	30)	c)
31)	a)	32)	b)	33)	a)	34)	d)	35)	
36)	a)	37)	d)	38)	b)	39)	c)		

