

CHEMISTRY STUDY MATERIALS FOR CLASS 10

(NCERT Based: MCQ with Answers)

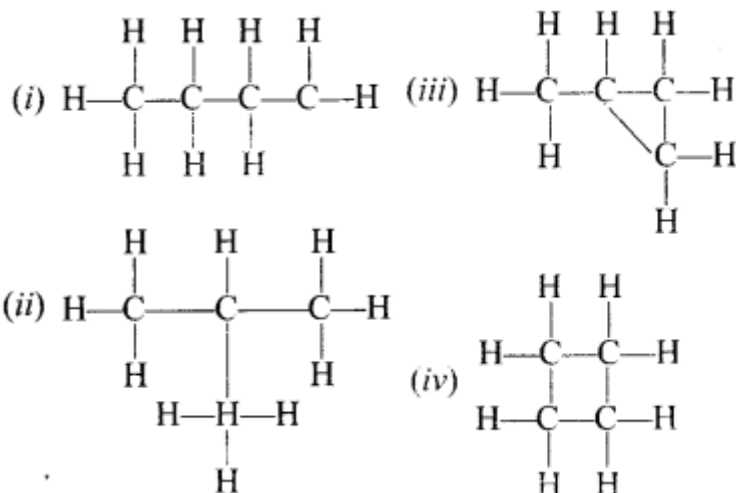
GANESH KUMAR

DATE:- 25/07/2020

21. —CHO represents the functional group
(a) esters (b) carboxylic acid (c) alcohols **(D) ALDEHYDES**
22. A functional group mainly determines the
(a) physical properties **(B) CHEMICAL PROPERTIES**
(c) both (d) none of these
23. Solubility of alcohol in water is due to
(a) low density of alcohol (b) volatile nature of alcohol
(c) ionisation **(D) HYDROGEN BONDING**
24. Artificial flavour for orange is obtained from
(a) amyl acetate (b) isoamyl valerate
(c) methyl butyrate **(D) OCTYL ACETATE**
25. Drinking alcohol is very harmful and it ruins the health. "Drinking alcohol" stands for
(a) drinking methyl alcohol **(B) DRINKING ETHYL ALCOHOL**
(c) drinking propyl alcohol (d) drinking isopropyl alcohol
26. The ionic part of synthetic detergent is
(A) —OSO₃⁻NA⁺ (b) —COO⁻ Na⁺ (c) —COO⁻ H⁺ (d) —COO⁻ CH₃⁺
27. The difference in the formula and molecular masses of CH₃OH and C₂H₅OH is
(a) CH₃ and 16u **(B) CH₂ AND 14U** (c) CH₄ and 18u (d) CH₃ and 16u
28. Which of the following statements about graphite and diamond is true?
(a) They have the same crystal structure
(b) They have the same degree of hardness
(c) They have the same electrical conductivity
(D) THEY CAN UNDERGO THE SAME CHEMICAL REACTIONS

29. Which of the following is ethanol?
(a) CH_3CHO (b) CH_3COOH **(c) $\text{CH}_3\text{CH}_2\text{OH}$** (d) $\text{CH}_3\text{COOCH}_3$
30. Which of the following contains covalent bond?
(a) MgCl_2 (b) CaF_2 (c) Al_2O_3 **(d) HCL**
31. The number of covalent bonds in C_4H_{10} is
(a) 10 (b) 8 **(c) 13** (d) 12
32. Which amongst the following will conduct electricity?
(a) $\text{C}_6\text{H}_{12}\text{O}_6$ (b) KCl(s) (c) $\text{C}_2\text{H}_5\text{OH}$ **(d) NaCl (Aq)**
33. The self linkage property (catenation) is maximum in
(A) CARBON (b) silicon (c) sulphur (d) phosphorus
34. Ethane and ethene can be distinguished by
(a) $\text{Br}_2(\text{l})$ **(B) BR_2 (aq) WATER** (c) Cl_2 (d) I_2
35. Carbon exists in the atmosphere in the form of
(a) carbon monoxide only **(B) CARBON MONOXIDE IN TRACES AND CARBON DIOXIDE**
(c) carbon dioxide only (d) coal
36. Which of the following statements are usually correct for carbon compounds? These
(i) are good conductors of electricity
(ii) are poor conductors of electricity
(iii) have strong forces of attraction between their molecules
(iv) do not have strong forces of attraction between their molecules
(a) (i) and (iii) (b) (ii) and (iii) (c) (i) and (iv) **(D) (II) AND (IV)**
37. A molecule of ammonia (NH_3) has
(A) ONLY SINGLE BONDS (b) only double bonds
(c) only triple bonds (d) two double bonds and one single bond
38. Buckminsterfullerene is an allotropic form of
(a) phosphorus (b) sulphur **(C) CARBON** (d) tin

39. Which of the following are correct structural isomers of butane?



- (a) (i) and (iii) (b) (ii) and (iv) **(c) (I) AND (II)** (d) (iii) and (iv)

40. In the above given reaction, alkaline KMnO_4 acts as



- (a) reducing agent **(B) OXIDISING AGENT** (c) catalyst (d) dehydrating agent

41. Oils on treating with hydrogen in the presence of palladium or nickel catalyst form fats.

This is an example of

- (A) ADDITION REACTION** (b) Substitution reaction
(c) Displacement reaction (d) Oxidation reaction

42. Which of the following is the correct representation of electron dot structure of nitrogen?



ANSWER: D
