

JSUNILTUTORIAL

PUNJABICOLONYGALI01

Chapter – 4, CARBON AND ITS COMPOUNDS

Multiple Choice Questions (MCQs)

Q.1: Which of the following is not a saturated hydrocarbon ?(a) cyclohexane (b) benzene (c) butane (d) isobutane

Q.2: The bond between two identical nonmetallic atom has a pair of electron ?

- (a) unequally shared between two atoms
- (b) transferred completely from one atom to another
- (c) With identical spins
- (d) Equally shared between them

Q.3: Covalent compounds are generally –

- (a) Soluble in water
- (b) insoluble in water
- (c) Ionize in water
- (d) hydrolyse in water

Q.4: Propane with molecular formula C_3H_8 has –

- (a) 7 covalent bonds
- (b) 8 covalent bonds
- (c) 9 covalent bonds
- (d) 10 covalent bonds

Q.5: A hydrocarbon reacts with ammonical cuprous chloride solution to form a red precipitate, the hydrocarbon is –(a) Ethane (b) ethene (c) butane (d) 1-propyne

Q.6: Which of the following substance is added to denature Ethanol?

- (a) Methanol
- (b) pyridine
- (c) copper sulphate
- (d) all of these

Q.7: Which of the following is not an allotropic form of carbon ?

- (a) fluorine
- (b) fullerene
- (c) diamond
- (d) graphite

Q.8: Which of the following represents the correct decreasing order of hydrogen atoms ?

- (a) alkanes, alkenes, alkynes
- (b) alkanes, alkynes, alkenes
- (c) alkenes, alkynes, alkanes
- (d) alkynes, alkanes, alkenes

Q.9: Detergents are sodium or potassium salts of long chain of :

- (a) aldehydes
- (b) ketones
- (c) carboxylic acid
- (d) sulphonic acid

Q.10: Which of the following represents the structure of N_2 molecule ?

- (a) $N \equiv N$
- (b) $N = N$
- (c) $N - N$
- (d) None of these

Q.11: In double covalent bond there is a sharing of

- (a) 2 electrons
- (b) 4 electrons
- (c) 6 electrons
- (d) 3 electrons

Q.12: Cation is formed when

- (a) atom gains electrons
- (b) atom losses electrons
- (c) proton is lost by the atom
- (d) atom shared by electrons

Q.13: The total number of electrons that take part in forming a bond in N_2 is(a) 2 (b) 4 (c) 6 (d) 10

Q.14: Which of the following has the weakest carbon-carbon strength ?

- (a) C_2H_2
- (b) C_2H_4
- (c) C_2H_6
- (d) all have the same bond strength

Q.15: Which of the following salt when dissolved in water produce hard water ?

(a) calcium sulphate (b) magnesium bicarbonate (c) calcium chloride (d) any of the above.

Answers: 1-b. 2-d. 3-b. 4-d. 5-d. 6-d. 7-a. 8-a. 9-d. 10-a. 11-b. 12-b. 13-c. 14-a. 15-d

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