

ORGANIC CHEMISTRY BASED GENERAL SCIENCE MCQ PRACTICE QUESTIONS AND ANSWERS PDF WITH EXPLANATION

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Created By [Careericons](#) Team

Q1. Match List-I with List-II :

List-I	List-II
A. Chloromycetin	1. Vitamin
B. Serpasil	2. Antibiotic
C. Disparlure	3. Tranquilizer
D. Ascorbic acid	4. Pheromone

Select the correct answer from the codes given below: (A) (B) (C) (D)

- a) A – 4, B – 3, C – 4, D – 1
b) A – 1, B – 3, C – 2, D – 4
c) A – 4, B – 3, C – 2, D – 1
d) A – 4, B – 2, C – 3, D – 1
-

Q2. On the basis of mode of formation, polymers can be classified

- as addition polymers
- as condensation polymers
- as copolymers
- as synthetic polymers

Choose the correct option from the codes given below:

- a) 1 and 2
b) 1 and 4
c) 1, 2 and 3
d) 1, 2, 3 and 4
-

Q3. While cooking, if the bottom of the vessel is getting blackened on the outside, it means that

- a) the fuel is wet.
- b) the fuel is not burning completely.
- c) the food is not cooked completely.
- d) the fuel is burning completely.

Q4. 'Drinking alcohol' is very harmful and it ruins the health. 'Drinking alcohol' stands for:

- a) drinking ethyl alcohol
- b) drinking propyl alcohol
- c) drinking methyl alcohol
- d) drinking isopropyl alcohol

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Q5. Isomers of a substance must have the same

- a) chemical properties
- b) physical properties
- c) structural formula
- d) molecular formula

Q6. On the basis of following features identify the correct option A. Drinks containing ethanol B. These drinks are major source of income to government

- a) Soft drinks
- b) Carbonated beverages

c) Alcoholic beverages

d) Rectified spirit

Q7. Which one of the following is the correct sequence in increasing order of molecular weights of the hydrocarbons?

a) Propane, butane, ethane and methane

b) Butane, ethane, propane and methane

c) Methane, ethane, propane and butane

d) Butane, propane, ethane and methane

Q8. The functional group present in $\text{CH}_3\text{COOC}_2\text{H}_5$ is

a) ester

b) aldehydic

c) ketonic

d) carboxylic

Q9. Hydrogenation of oils involves

- saturation of unsaturated fatty acids
- reaction with hydrogen in presence of nickel
- conversion into saturated fatty acids
- driving off the impurities in oil by hydrogen gas

a) 2, 3 and 4

b) 1, 2 and 3

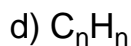
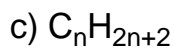
c) 1, 2 and 4

d) 1, 3 and 4

Q10. General formula of alkyne is

a) $\text{C}_n\text{H}_{2n-2}$

b) C_nH_{2n}



Q11. Addition of ethylene dibromide to petrol

- a) helps elimination of lead oxide
 - b) removes the sulphur compound in petrol
 - c) increases the octane number of fuel
 - d) serves as a substitute of tetraethyl lead
-

Q12. Which one of the following sets of elements was primarily responsible for the origin of life on the Earth?

- a) Oxygen, calcium, phosphorus
- b) Hydrogen, oxygen, sodium
- c) Carbon, hydrogen, nitrogen
- d) Carbon, hydrogen, potassium

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Q13. The main constituent of Vinegar is:

- a) Ascorbic acid
 - b) Citric acid
 - c) Acetic acid
 - d) Tartaric acid
-

Q14. Mineral acids are stronger acids than carboxylic acids because

- mineral acids are completely ionized
- carboxylic acids are completely ionized

- mineral acids are partially ionized
- carboxylic acids are partially ionized

- a) B and C
b) A and B
c) A and D
d) C and D

Q15. The flavour of apple is mainly due to which one of the following?

- a) Benzene
b) Ethanol
c) Formalin
d) Benzaldehyde

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Answers to the above questions :

Q1. Answer: (a)

Q2. Answer: (a)

Q3. Answer: (b)

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Q4. Answer: (a)

Q5. Answer: (d)

Organic compounds having same molecular formula but differ from each other in physical properties or chemical properties or both are known as isomers.

Q6. Answer: (c)

Q7. Answer: (c)

Q8. Answer: (a)

Q9. Answer: (b)

Oils (generally liquid) are glycerides with a larger proportion of unsaturated fatty acids than fats (generally solid or semisolid).

Hence oils, when treated with hydrogen in presence of finely divided nickel as a catalyst, add hydrogen across the carbon-carbon double bonds of the unsaturated acid components to form saturated glycerides which are solid at room temperature.

Q10. Answer: (a)

Q11. Answer: (d)

Q12. Answer: (c)

Carbon, hydrogen and nitrogen were primarily responsible for the origin of life on the earth.

Q13. Answer: (c)

Q14. Answer: (c)

Q15. Answer: (b)

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