

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

For All Competitive SSC, Bank, IBPS, UPSC, Railway, IT & Other Govt. Exams

Created By [Careericons](#) Team

Q1. Which of the following has maximum density?

- a) Water
- b) Benzene
- c) Chloroform
- d) Ice

Q2. Which of the following has shortest carbon-carbon bond length?

- a) C_2H_4
- b) C_2H_6
- c) C_2H_2
- d) C_6H_6

Q3. Match List-I with List-II :

List-I	List-II
A. Hexamethylenediamine	1. Bakelite
B. Phenol	2. Dacron
C. Phthalic acid	3. Glyptal
D. Terephthalic acid	4. Melamine
	5. Nylon

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

- a) A – 4, B – 3, C – 1, D – 2
- b) A – 5, B – 1, C – 2, D – 3

c) A – 5, B – 1, C – 3, D – 2

d) A – 4, B – 3, C – 1, D – 2

Q4. Gas welding used for welding broken pieces of iron, we normally use a mixture of :

a) ethene and oxygen

b) ethyne and oxygen

c) ethane and oxygen

d) ethene and air

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Q5. Match Column-I with Column-II :

Column-I	Column-II
A. Polyethylene	P. wood glue
B. Cellulose acetate	Q. Soft drinks
C. Polyvinyl acetate	R. Descaling agents
D. Dil Acetic acid	S. Photographic film

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

a) A-S; B-Q; C-P; D-R

b) A-Q; B-S; C-R; D-P

c) A-Q; B-S; C-P; D-R

d) A-S; B-Q; C-R; D-P

Q6. The order of appearance of the following with increasing temperature during the refining of crude oil is _____ .

a) Gasoline, kerosene, diesel

- b) Kerosene, gasoline, diesel
 - c) Diesel, gasoline, kerosene
 - d) Gasoline, diesel, kerosene
-

Q7. The characteristic odour of garlic is due to

- a) a sulphur compound
 - b) a fluorine compound
 - c) a chloro compound
 - d) acetic acid
-

Q8. Assertion (A) :

The main constituent of the liquefied petroleum gas is methane.

Reason (R) :

Methane can be used directly for burning in homes and factories where it can be supplied through pipelines.

- a) Both A and R are true but R is not the correct explanation of A
 - b) A is true but R is false
 - c) Both A and R are true and R is the correct explanation of A
 - d) A is false but R is true
-

Q9. Which is a general formula of alkenes?

- a) C_nH_{2n-2}
 - b) C_nH_{2n}
 - c) C_nH_{2n+2}
 - d) None of these
-

Q10. Two adjacent members of a homologous series have :

- a) same general methods of preparation

- b) a difference of 14 a.m.u. in molecular mass
- c) a difference of $-\text{CH}_2$ in their structure
- d) all of the above

Q11. Which of the following are examples of addition polymers?

- Polystyrene
- Nylon
- PVC
- Polypropylene

Choose the correct option from the codes given below:

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

Q12. Which of the following are true statements?

- α -Carbon of α -amino acid is asymmetric.
- All proteins are found in L-form.
- Human body can synthesize all proteins they need.
- At $\text{pH} = 7$ both amino and carboxylic groups exist in ionised form.

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

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Q13. Match List-I with List-II :

List-I	List-II

A. Sour milk	1. Malic acid
B. Vinegar and pickle	2. Carbonic acid
C. Soda water	3. Acetic acid
D. Apple	4. Lactic acid

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

a) 4 3 2 1

b) 1 2 3 4

c) 4 3 1 2

d) 3 4 2 1

Q14. How many different isomers are possible for a hydrocarbon with the molecular formula C_4H_{10} ?

a) 3

b) 2

c) 1

d) 5

Q15. Pentane has the molecular formula C_5H_{12} . It has

a) 16 covalent bonds

b) 12 covalent bonds

c) 5 covalent bonds

d) 17 covalent bonds

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Answers to the above questions :

Q1. Answer: (a)

Q2. Answer: (c)

Q3. Answer: (c)

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MOTION UNDER GRAVITY

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Q4. Answer: (b)

Q5. Answer: (c)

Q6. Answer: (a)

Petroleum products are usually grouped into three categories:

1. Light distillates (LPG, gasoline, naphtha),
2. Middle distillates (kerosene, diesel),
3. Heavy distillates and residuum (heavy fuel oil, lubricating oils, wax, asphalt).

Hence, the correct option would be **Gasoline, kerosene, and diesel**.

Q7. Answer: (a)

Q8. Answer: (d)

Q9. Answer: (c)

Q10. Answer: (d)

Q11. Answer: (c)

Nylon is a condensation polymer.

Q12. Answer: (c)

All proteins are not found in L-form but they may be present in form of D or L

Q13. Answer: (a)

1. Sour milk – Lactic acid
2. Vinegar and pickel – Acetic acid
3. Soda water – Carbonic acid
4. Apple – Malic acid

Q14. Answer: (b)

Q15. Answer: (a)

i.e., 16 covalent bonds.

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