

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

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Created By [Careericons](#) Team

Q1. The IUPAC name of $\text{CH}_3\text{CH}_2\text{COCl}$ is

- a) acetyl chloride
 - b) ethanoyl chloride
 - c) propanoyl chloride
 - d) chloroethane
-

Q2. Alkenes are characterized by

- a) C ? C bonds
 - b) C = C bonds
 - c) C – C bonds
 - d) cyclic structure
-

Q3. Which of the following can be used as artificial sweetner(s) ?

- Aspartame
 - Alitame
 - Sucralose
 - Saccharin
- a) 1, 2 and 3
 - b) 1 only
 - c) 1 and 2
 - d) 1, 2, 3 and 4
-

Q4. Which of the following contains carbonyl group?

- a) Esters
- b) Aldehydes
- c) Ketones
- d) All of these

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Q5. Which of the following can be used distinguish between ethane and ethene?

- a) Aqueous bromine
- b) Litmus solution
- c) A lighted splinter
- d) Lime water

Q6. Butanone is a four-carbon compound with the functional group

- a) ketone
- b) aldehyde
- c) carboxylic acid
- d) alcohol

Q7. Which of the following are considered as a base?

- Proton Donor
- Proton Acceptor
- Electron Acceptor
- Electron Donor

Choose the correct option:

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

c) 2, 3 and 4

d) 1 and 3

Q8. Which of the following statements about ribose are correct?

- It is a polyhydroxy compound.
- It is an aldehyde sugar.
- It has six carbon atoms.
- It exhibits optical activity.

a) 1, 2 and 4

b) 1, 2 and 3

c) 1, 3 and 4

d) 2, 3 and 4

Q9. In organic chemistry we study about

- carbohydrates
- fertilizers
- proteins
- ceramics

Choose the correct option from the codes given below:

a) 2 and 3

b) 1 and 3

c) 1 and 4

d) 1, 2, 3 and 4

Q10. Soaps are sodium salts of fatty acids. Which of the following fatty acid does not form soap?

a) Oleic acid

b) Palmitic acid

c) Butyric acid

d) Stearic acid

Q11. Match List-I with List-II :

List-I	List-II
A. Iodoform	1. Anaesthetic
B. Methyl salicylate	2. Antiseptic
C. Diethyl ether	3. Insecticide
D. Hexa chlorocyclohexane	4. Detergent
	5. Pain balm

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

a) A – 2, B – 5, C – 1, D – 3

b) A – 2, B – 5, C – 3, D – 4

c) A – 4, B – 2, C – 1, D – 3

d) A – 3, B – 1, C – 4, D – 2

Q12. Which one of the following is an active component of oil of clove?

a) Eugenol

b) Methanol

c) Menthol

d) Benzaldehyde

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Q13. The other names of gamma-xene are :

- gamma-hexachloro cyclohexane
- lindane
- aldrin

Select the correct option from the codes given below:

a) 1, 2, and 3

b) 1 and 2

c) 1 and 3

d) 2 and 3

Q14. Consider the following statements about acetylene:

- It is used in welding industry
- It is a raw material for preparing plastics
- It is easily obtained by mixing silicon carbide and water of these statements

a) 1 and 3 are correct

b) 2 and 3 are correct

c) 1 and 2 are correct

d) 1, 2 and 3 are correct

Q15. A sample of chloroform before using as an anaesthetic, is tested by

a) Ammonical silver nitrate solution

b) Fehling's solution

c) Ammonical cuprous chloride

d) Silver nitrate solution after boiling with alcoholic KOH

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Answers to the above questions :

Q1. Answer: (c)

Q2. Answer: (b)

Alkanes are saturated compounds in which all the four electrons of carbon are covalently bonded with other carbon atoms through single bond

Q3. Answer: (d)

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Q4. Answer: (d)

All contains carbonyl compounds.

Q5. Answer: (a)

Q6. Answer: (a)

Q7. Answer: (a)

The base is a proton acceptor and Electron Donor. Bases give up hydroxide ion (OH_-) that wants to bond to the hydrogen ion (H_+) given by an acid.

Whereas Lewis bases are those compounds which are capable of donating a lone pair of electrons.

Q8. Answer: (a)

Ribose is an aldopentose

Q9. Answer: (b)

Q10. Answer: (c)

Q11. Answer: (a)

Q12. Answer: (a)

Q13. Answer: (b)

Q14. Answer: (c)

Q15. Answer: (a)

It is tested by ammonical silver nitrate solution.

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