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

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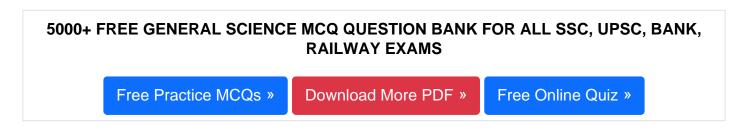
- **Q1.** The IUPAC name of  $CH_3CH_2COCI$  is
- a) acetyl chloride
- b) ethanoyl chloride
- c) propanoyl chloride
- d) chloroethane
- Q2. Alkenes are characterized by
- a) C ? C bonds
- b) C = C bonds
- c) C C bonds
- d) cyclic structure

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



## 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 :

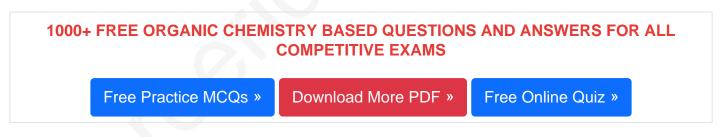
List-I	List-II
A. lodoform	1. Anaesthetic
B. Methyl salicylate	2. Antiseptic
C. Diethyl ether	3. Insecticide
D. Hexa chlorocyclohexane	4. Detergent
	5. Pain balm

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



## Q13. The other names of gammaxene are :

- gamma-hexachloro cylcohexane
- 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<sub>+</sub>) 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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