

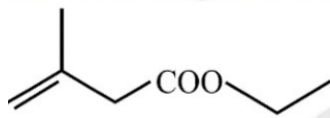
## Yakeen NEET 2.0 2026

## Organic Chemistry

## Some Basic principles and Techniques (IUPAC Naming)

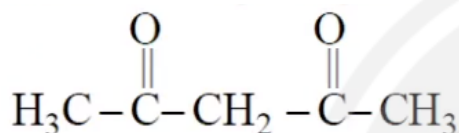
DPP: 6

Q1 The IUPAC name of the given compound is



- (A) Ethylacrylate  
 (B) Ethylmethylbutenoate  
 (C) Ethylacetoethenoate  
 (D) Ethyl-3-methylbut-3-enoate

Q2 IUPAC of the following compound is



- (A) pentanone  
 (B) propan-2,4-dione  
 (C) pentan-2,4-dione  
 (D) 1,5-dimethyl propanone

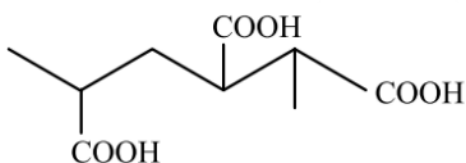
Q3 Write the correct name from the incorrect name

- 2,3-dichloro-2,4-dibromohept-4-ene  
 (A) 2,4-dibromo-2,3-dichloro hept-4-ene  
 (B) 4,6-dibromo-5,6-dichloro hept-3-ene  
 (C) 4,6-dibromo-5,6-dichloro hept-4-ene  
 (D) 5,6-dichloro-4,6-dibromo hept-3-ene

Q4 Correct name for

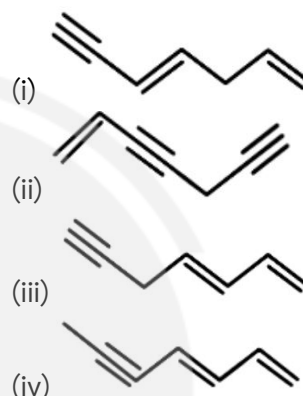
- $(\text{C}_2\text{H}_5)_2\text{C}=\text{C}(\text{CH}_3)\text{CH}_2\text{CO}_2\text{H}$   
 (A) 4,4-diethyl-3-methyl-3-butenoic acid  
 (B) 4-ethyl-3-methyl-3-hexenoic acid  
 (C) 3-ethyl-4-methyl-3-hexenoic acid  
 (D) 3-ethyl-4-methyl-3-hexen-6-oic acid

Q5 IUPAC name of the following compound is



- (A) 2-(1-carboxyethyl)-4-methyl pentanoic acid  
 (B) 3,5-Dicarboxy-2-methyl hexanoic acid  
 (C) 2,4,5-Hexane tricarboxylic acid  
 (D) 2,3,5-Hexane tricarboxylic acid

Q6 Which of the following is an acceptable structure of hepta-1,4-dien-6-yne?

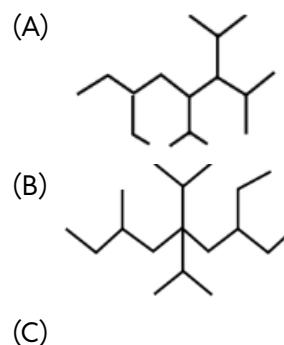


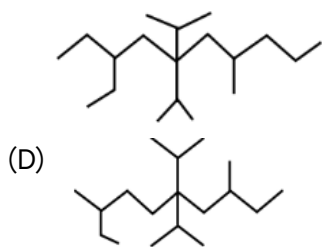
- (A) i and iii both  
 (B) i only  
 (C) iv only  
 (D) ii and iv only

Q7 Which of the following is tert-butyl chloride?

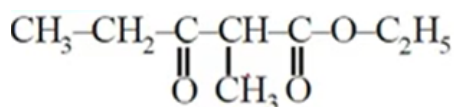
- (A)  $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{Cl}$   
 (B)  $\text{CH}_3\text{CH}_2\text{CH}(\text{Cl})\text{CH}_3$   
 (C)  $(\text{CH}_3)_3\text{CCl}$   
 (D)  $(\text{CH}_3)_2\text{CHCH}_2\text{Cl}$

Q8 Which of the following structure is the correct structure of 3-Ethyl-5,5-diisopropyl-7-methylnonane?



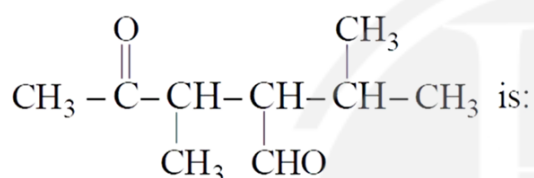


Q9 IUPAC name of



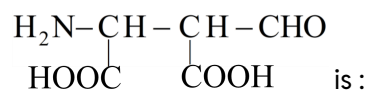
- (A) Ethyl-4-methyl-3-oxo pentanoate  
 (B) 2-Ethoxy carbonyl pentan-3-one  
 (C) 4-Ethoxy carbonyl pentan-3-one  
 (D) Ethyl 2-methyl 3-oxo-pentanoate

Q10 The IUPAC name of compound is



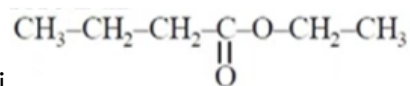
- (A) 3, 5-Dimethyl-4-Formyl pentanone  
 (B) 1-Isopropyl-2-methyl-4-oxo butanal  
 (C) 2-Isopropyl-3-methyl -4-oxo pentanal  
 (D) None of the above

Q11 The IUPAC name of the structure



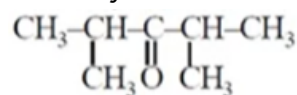
- (A) 3-Amino-2-formyl butane-1, 4-dioic acid  
 (B) 3-Amino-2,3-dicarboxy propanal  
 (C) 2-Amino-3-formyl butane-1, 4-dioic acid  
 (D) 1-Amino-2-formyl succinic acid

Q12 Of the following compounds which has a wrong IUPAC name



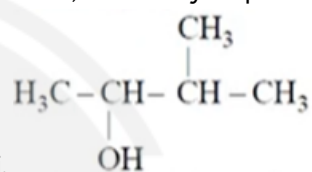
i.

ethyl butanoate



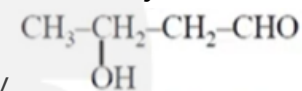
ii.

2,4-dimethyl-3-pentanone



iii.

2-methyle-3-butan ol



IV.

3-hydroxybutanal

- (A) I (B) II  
 (C) III (D) IV



## Answer Key

Q1 (D)

Q2 (C)

Q3 (B)

Q4 (B)

Q5 (D)

Q6 (B)

Q7 (C)

Q8 (B)

Q9 (D)

Q10 (C)

Q11 (A)

Q12 (C)



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