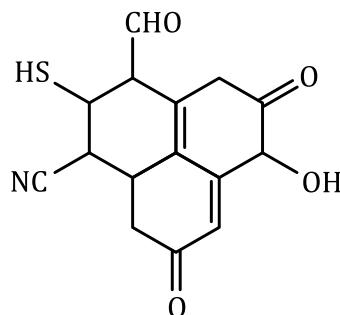


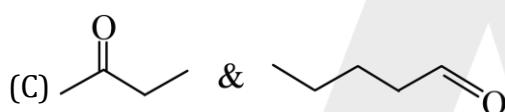
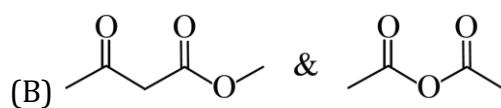
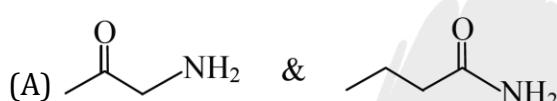
DPP - 03

1. Degree of unsaturation of this compound is





2. Which of the following is/are homologues?



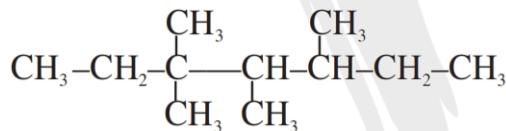
3.  $C_5H_{12}$  has a symmetrical structure with one quaternary carbon. Its IUPAC name is:



4. Which of the following compound has all four types ( $1^\circ$ ,  $2^\circ$ ,  $3^\circ$ ,  $4^\circ$ ) of carbon atoms:

- (A) 2,3,4-Trimethylpentane      (B) 2,2,3-Trimethylpentane  
(C) neo-pentane      (D) none of the three

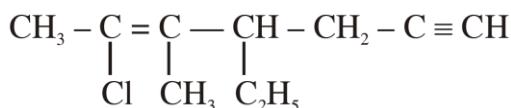
- 5.** In following compound



The correct lowest set of locant is:

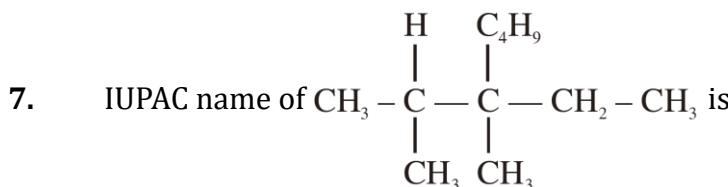
- (A) 3,3,4,5      (B) 3,4,5,5      (C) 4,5,3,3      (D) 5,5,4,3

- ## 6. The IUPAC name of

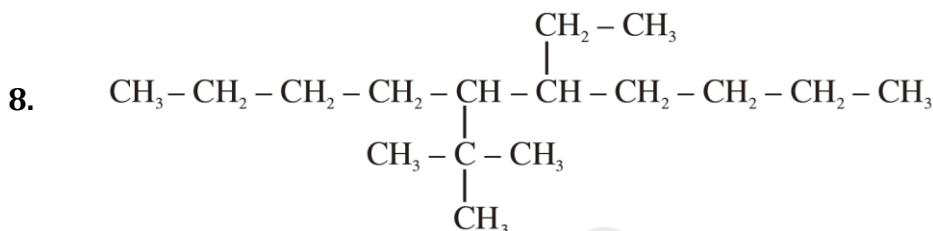


- (A) 2-Chloro-4-ethyl-3-methyl-6-heptyn-2-ene
  - (B) 2-Chloro-4-ethyl-3-methyl-2-heptyn-6-yne
  - (C) 6-Chloro-4-ethyl-5-methyl-1-heptyn-5-ene
  - (D) 6-Chloro-4-ethyl-5-methyl-5-hepten-1-yne

## (Organic Chemistry)



- (A) 3,4,4-Trimethylheptane      (B) 4-Ethyl-3,4-dimethyl octane  
 (C) 2-Butyl-2-methyl-3-ethylbutane      (D) None of these



- (A) 5-(1, 1-Dimethyl Ethyl)-6-Ethyl decane      (B) 5-Ethyl-6-(1, 1-Dimethyl Ethyl) decane  
 (C) 6-Ethyl-5-(1, 1-Dimethyl Ethyl) decane      (D) 6-(1, 1-Dimethyl Ethyl)-5 Ethyl decane

9. IUPAC name of  $\text{CH}_3 - \text{CH} = \text{CH} - \text{C} \equiv \text{CH}$  is:

- (A) 2-Penten-4-yne      (B) 1-Pentyn-3-ene  
 (C) 3-Penten-1-yne      (D) None of these

10. The IUPAC name of the crotonaldehyde is:  $(\text{CH}_3 - \text{CH} = \text{CH} - \text{CHO})$  is -

- (A) 2-Propenal      (B) Propenal  
 (C) 2-Butenal      (D) Butenal



**ANSWER KEY**

1. C      2. D      3. C      4. B      5. A      6. D      7. D  
8. B      9. C      10. C

