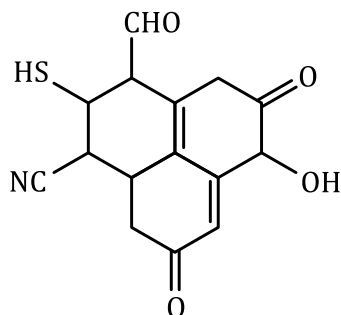


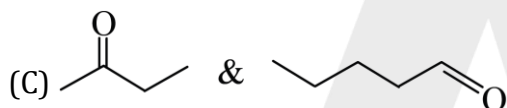
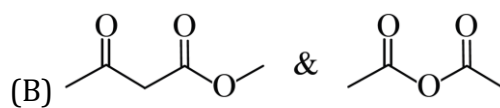
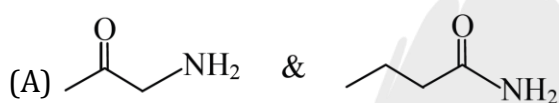
DPP - 03

1. Degree of unsaturation of this compound is



- (A) 8 (B) 9 (C) 10 (D) 11

2. Which of the following is/are homologues?



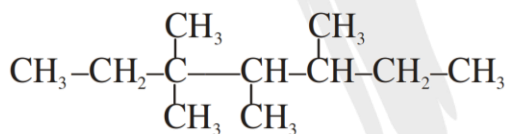
3. C_5H_{12} has a symmetrical structure with one quaternary carbon. Its IUPAC name is:

- (A) n-pentane (B) 2-methylbutane
(C) 2,2-dimethylpropane (D) 3-methylbutane

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

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

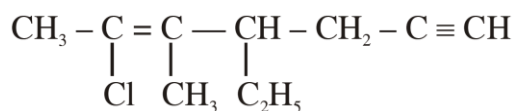
5. In following compound



The correct lowest set of locant is:

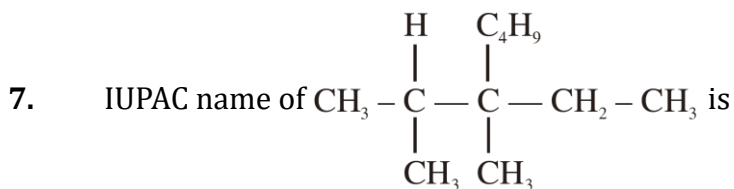
- (A) 3,3,4,5 (B) 3,4,5,5 (C) 4,5,3,3 (D) 5,5,4,3

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)

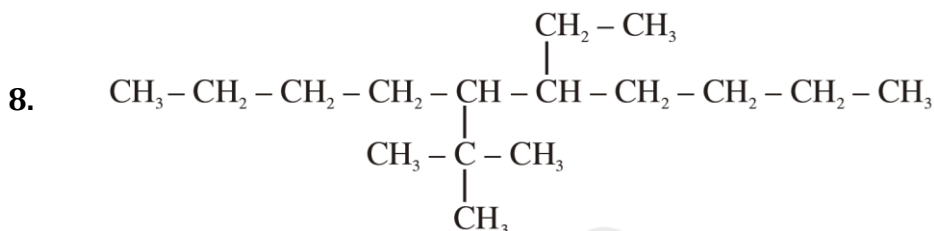


(A) 3,4,4-Trimethylheptane

(B) 4-Ethyl-3,4-dimethyl octane

(C) 2-Butyl-2-methyl-3-ethylbutane

(D) None of these

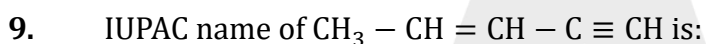


(A) 5-(1, 1-Dimethyl Ethyl)-6-Ethyl decane

(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



(A) 2-Penten-4-yne

(B) 1-Pentyn-3-ene

(C) 3-Penten-1-yne

(D) None of these



(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 | | | | | | | | |

A