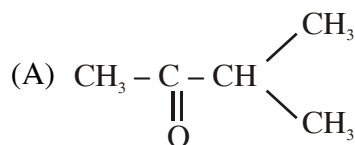
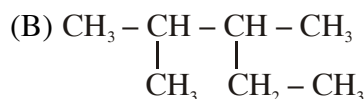


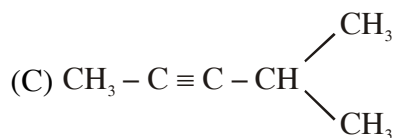
1. The incorrect IUPAC name is: [3]



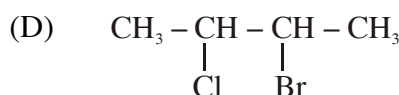
2-Methyl-3-butanone



2,3-Dimethylpentane

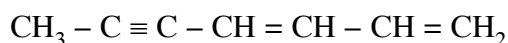


4-Methyl-2-pentyne



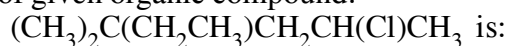
3-Chloro-2-bromobutane

2. Find out the correct statement(s) about given molecule. [3]



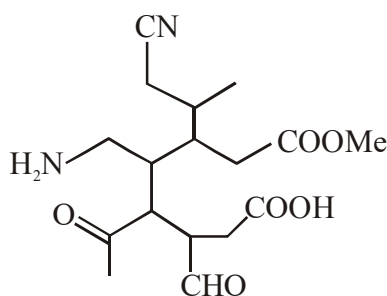
- (A) All the carbons in given molecule are not in same plane
(B) IUPAC name is hepta-1,3-dien-5-yne
(C) It has 4 sp^2 hybrid carbons, 2 sp hybrid carbons and 1 sp^3 hybrid carbon
(D) All the carbons in given molecule are in same plane

3. IUPAC name of given organic compound: [3]



- (A) 5-Chloro-3,3-dimethylhexane (B) 5-Chloro-2-ethyl-2-methylpentane
(C) 2-Chloro-4-ethyl-4-methylpentane (D) 2-Chloro-4,4-dimethylhexane

4. Number of functional groups and double bond equivalent are respectively. [3]



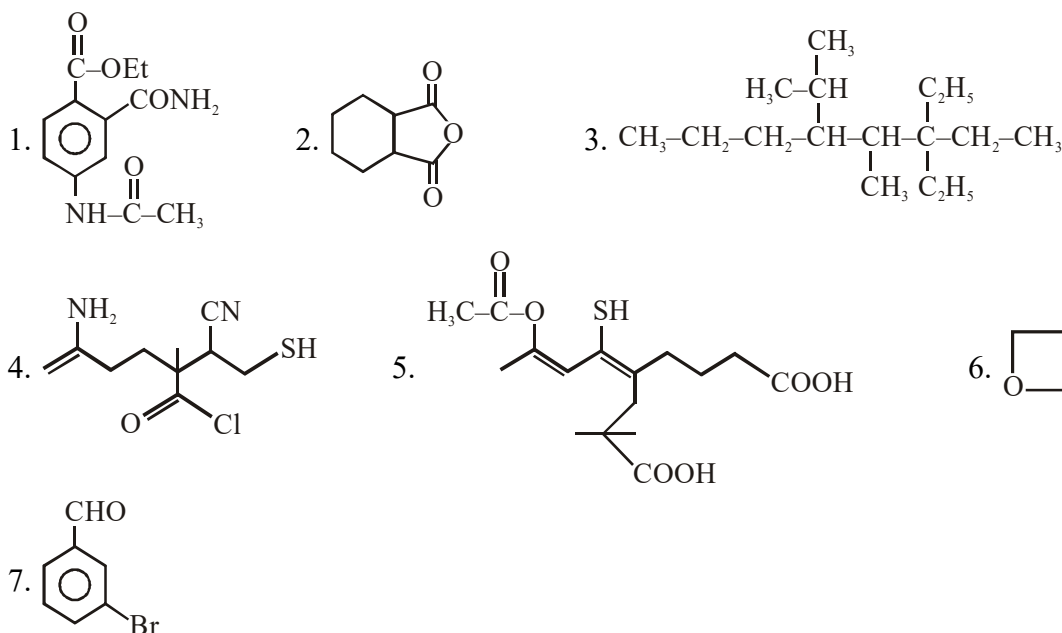
- (A) 6, 1 (B) 6, 5 (C) 6, 6 (D) 6, 7

5. IUPAC name of  is [3]

- (A) N-deutero-N-formylcyclohexanamine (B) N-cyclohexylamino-N-deuteromethanal
(C) N-cyclohexyl-N-deuteromethanamide (D) N-deutero cyclohexanamine

6. Provide the IUPAC name of following compounds :

[5]

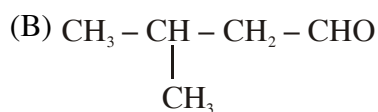


7. Which of the following compound has wrong IUPAC name?

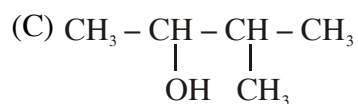
[3]



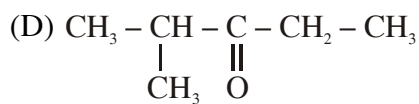
Ethyl butanoate



3-Methylbutanol



2-Methyl-3-butanol



2-Methyl-3-pentanone