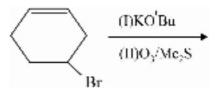


The major product(s) obtained in the following reaction is/are:

(2019)



OHC CHO (A)

- OHC CHO and OHC-CHO (C)
- 42. But-2-ene on reaction with alkaline KMnO₄ at elevated temperature followed by acidification will give:
 - one molecule of CH3CHO and one molecule of CH3COOH (A)

(2019)

- (B) 2 molecules of CH₃CHO
- $CH_3 CH CH CH_3$ (C) он он
- 2 molecules of CH₃COOH
- The major product of the following addition reaction is : $H_3C CH = CH_2 \xrightarrow{Cl_2/H_2O}$ 43.
 - (2019)

- In the following sequence of reactions the maximum number of atoms present in molecule 'C' in one plane is_ (2020) \rightarrow B $\xrightarrow{\text{CH}_3\text{Cl(1 eq.)}}$ C. (A is a lowest molecular weight alkyne)

(2020)

- The number of sp² hybrid orbitals in a molecule of benzene is: 45. (A) 12
- 18 (D)
- The correct order of heat of combustion for following alkadienes is:

(2020)









- (b) < (c) < (a)
- (a) < (b) < (c)
- (a) < (c) < (b)
- - (c) < (b) < (a)