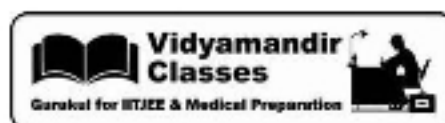




1

of 2



Date Planned : __ / __ / __	Daily Tutorial Sheet-8	Expected Duration : 90 Min
Actual Date of Attempt : __ / __ / __	Level-2	Exact Duration : _____

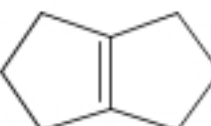
96. **Statement-1:** All the hydrogen atoms in $\text{CH}_2 = \text{C} = \text{CH}_2$ lie in one plane.

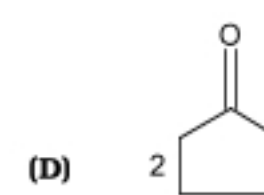
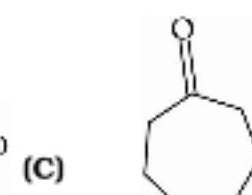
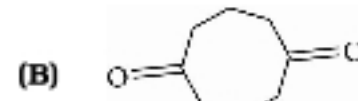
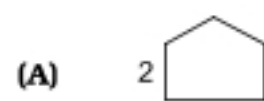
Statement-2: All the carbon atoms in it are not sp^2 hybridized.

- (A) Statement-1 is True, Statement-2 is True; Statement-2 is a correct explanation for Statement-1
- (B) Statement-1 is True, Statement-2 is True; Statement-2 is NOT a correct explanation for Statement-1
- (C) Statement-1 is True, Statement-2 is False
- (D) Statement-1 is False, Statement-2 is True

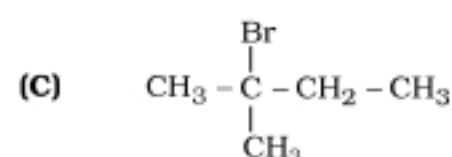
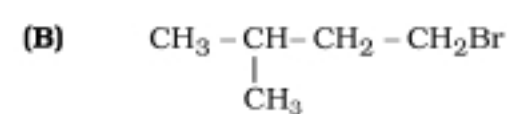
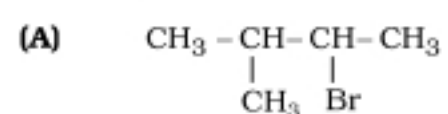
97. Addition of one equivalent of bromine to 1, 3-pentadiene at temperature below 0°C produces :

- (A) 1, 4-dibromopentane (B) 1, 4-dibromo-2-pentene
- (C) 3, 4-dibromopentene (D) 4, 5-dibromo-2-pentene

98. Ozonolysis of  will give

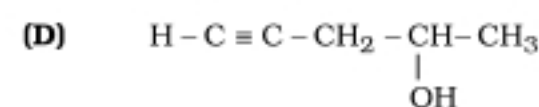
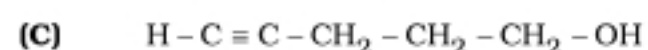
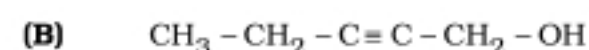
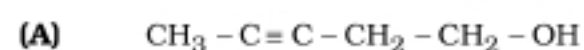


99. $\text{CH}_3 - \underset{\text{CH}_3}{\text{CH}} - \text{CH} = \text{CH}_2 + \text{HBr} \longrightarrow \text{Q}$ (predominant), Q is :



(D) None is correct

100. 0.42 g of an organic compound (A), $(\text{C}_5\text{H}_8\text{O})$ reacts with x mole of CH_3MgBr to liberate 224 mL of a gas at STP. With excess of H_2 , (A) gives pentan-1-ol. The correct structure of (A) is :



*101. Which one of the following compounds gives acetone $(\text{CH}_3)_2\text{C} = \text{O}$ as one of the products on its ozonolysis ?

