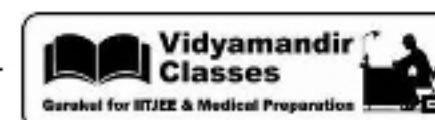




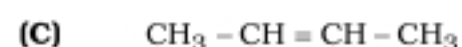
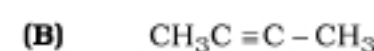
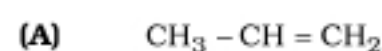
1

of 2

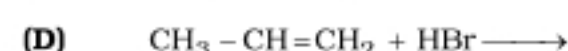
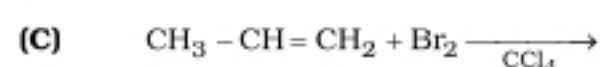
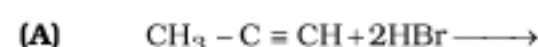


Date Planned : __ / __ / __	Daily Tutorial Sheet-4	Expected Duration : 90 Min
Actual Date of Attempt : __ / __ / __	Level-1	Exact Duration : _____

46. The treatment of CH_3MgX with $\text{CH}_3\text{C}\equiv\text{C}-\text{H}$ produces :



47. Which of the following reactions will yield, 2, 2-dibromopropane ?



*48. Cyclopentadienyl anion is :

(A) Aromatic

(B) Non-aromatic

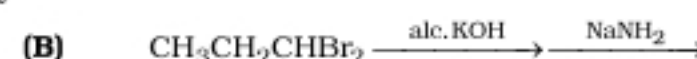
(C) planar

(D) Antiaromatic

49. The reduction of 4-octyne with H_2 in the presence of Pd/CaCO_3 quinoline gives :

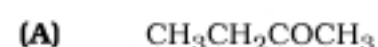
(A) *trans*-4-octene(B) *cis*-4-octene(C) a mixture of *cis*-and *trans*-4-octene(D) A completely reduced product C_8H_{18}

50. Which of the following reactions will give an alkyne ?

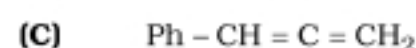
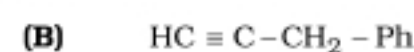
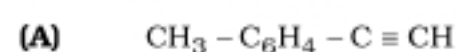


(D) All of the above

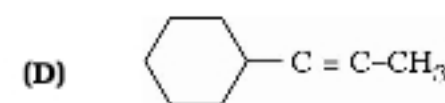
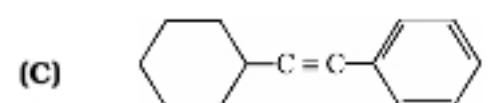
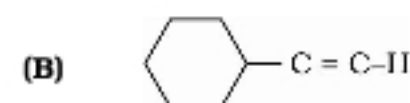
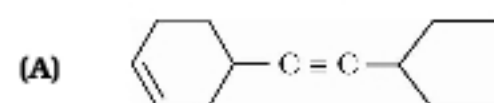
51. The product(s) obtained via oxymercuration ($\text{HgSO}_4 + \text{H}_2\text{SO}_4$) of but-1-yne would be :



52. The final product in following sequence of reaction is : $\text{PhC}\equiv\text{CH}\xrightarrow{\text{NaNH}_2}\xrightarrow{\text{CH}_3\text{Br}}$



53. Which of the following form alkynide ?



54. $\text{Ph}-\text{C}\equiv\text{C}-\text{CH}_3\xrightarrow{\text{Hg}^{2+}/\text{H}^+}\text{A,}$

