#### Chapter 8

#### **Addition Reactions**

(I.A) Addition of HBr across carbon-carbon double bond

(I.B) Addition of HCI and HI across carbon-carbon double bond

(3) 
$$H_3$$
CHC =  $CH_3$   $CH_2$   $CH_3$   $CH_3$   $CH_3$   $CH_3$   $CH_3$ 

.C) Addition of  ${\rm Br}_2$  across carbon-carbon double bond

## (I.D) Oxymercuration-Reduction

(1) 
$$(CH_3)_3CCH = CH_2$$
  $H_2O,NaBH_4$ 

# (I.E) Epoxide formation

### (I.F) Cycloaddition reactions

Solutions of Addition of HBr across carbon-carbon double bond

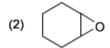
Solutions of Addition of HCl and HI across carbon-carbon double bond

Solutions of Addition of  ${\rm Br}_2$  across carbon-carbon double bond

**Solutions of Oxymercuration-Reduction** 

Solutions of Epoxide formation





Solutions of Cycloaddition reactions