

# DEGREE-II (HONS) 1.

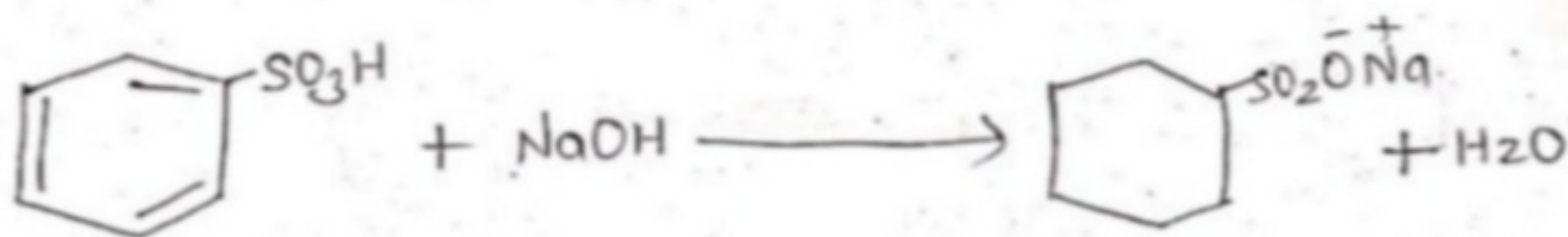
23/11/2020

## CHEMICAL PROPERTIES AND USES OF BENZENE SULPHONIC ACID

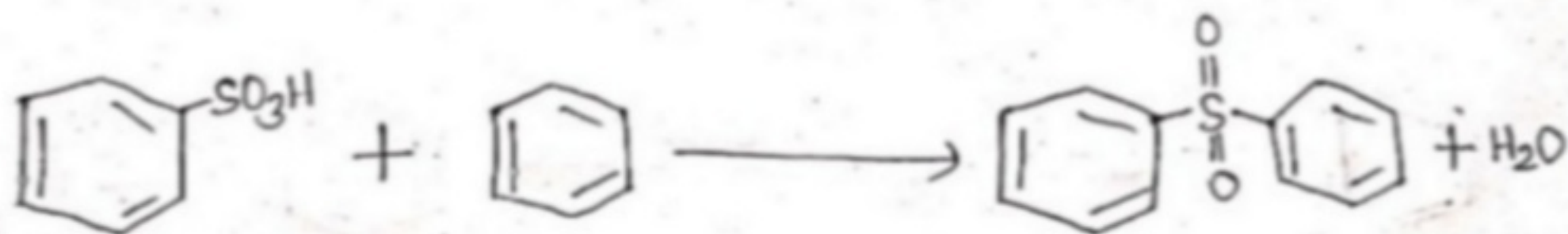
### CHEMICAL PROPERTIES

#### REACTION AS ACIDS

##### 1. Salt Formation

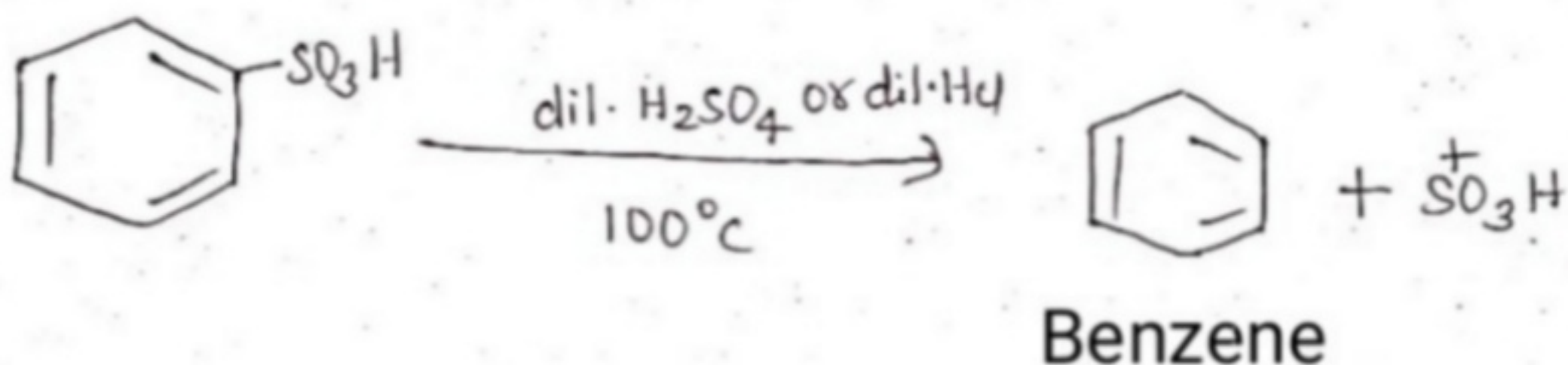


##### 2. Formation of Sulphones

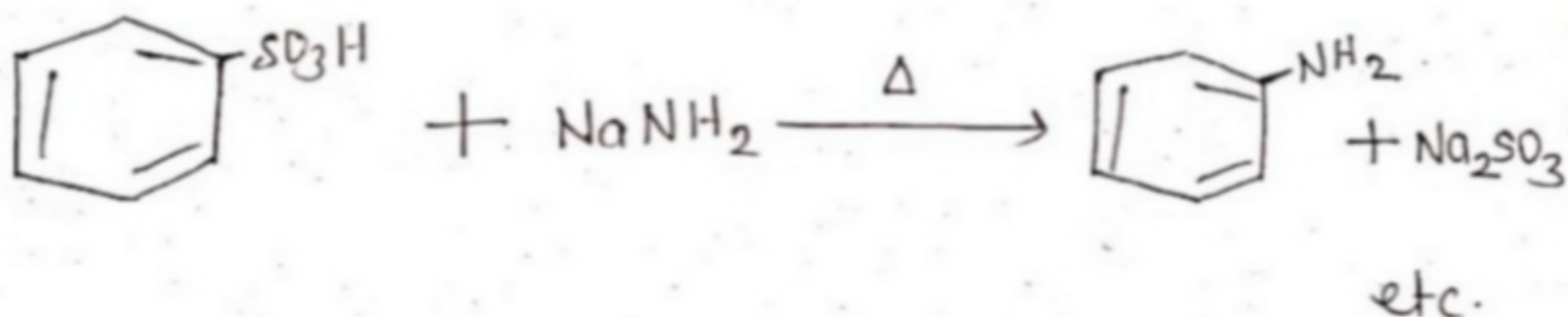


REACTION IN WHICH -SO<sub>3</sub>H GROUP REPLACED 2.

### 3. Desulphonation

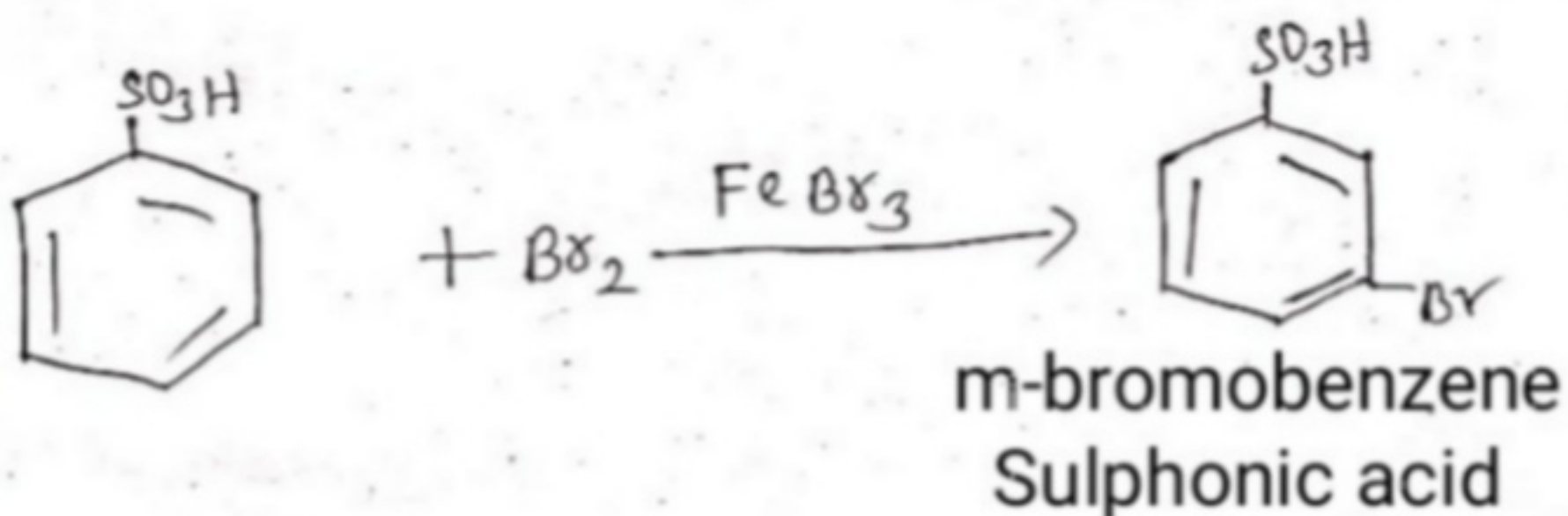


### 4. Formation of Amines



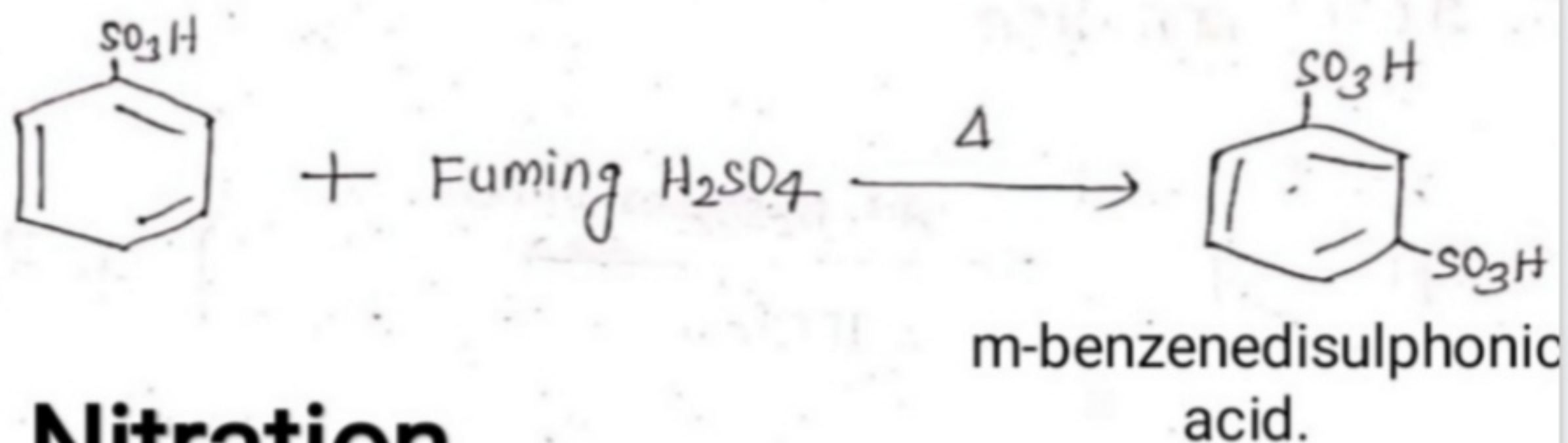
## ELECTROPHILIC SUBSTITUTION REACTION

### a. Halogenation

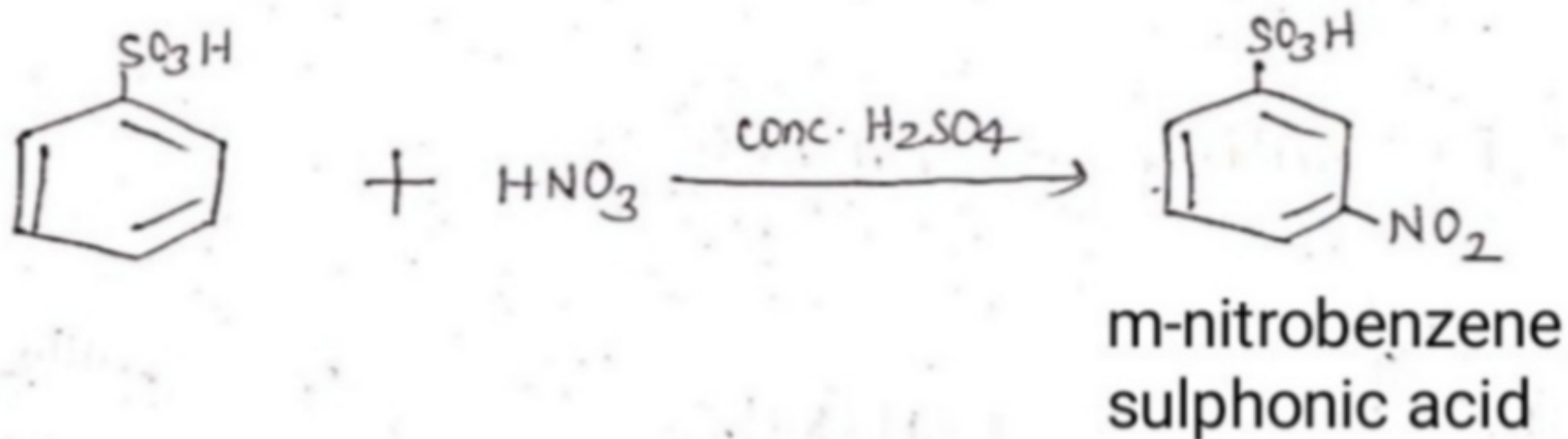


## b. Sulphonation

3.



## c. Nitration



# USES

1. They are frequently used as acid catalyst.
2. Sodium sulphonate are used for making phenol by fusion with  $\text{NaOH}$ .

Completed