## INDIAN SCHOOL AL WADI AL KABIR DEPARTMENT OF SCIENCE 2021 – 22 CHEMISTRY – TEST YOURSELF

1. Identify the type of classification:

2. Identify primary secondary or tertiary

3. Give IUPAC name

4. Give the IUPAC name of

## Ethylene dichloride

5. Give the IUPAC name of:

$$H_3C$$
 $H$ 
 $H$ 
 $Br$ 

6. Complete this reaction

$$R-OH \qquad \frac{\text{red } P/X_2}{X_2=Br_2,I_2}$$

7. Write the IUPAC names of the following compounds of the reaction

$$CH_3$$
 +  $X_2$   $\xrightarrow{Fe}$  dark

8. Write the reagents of the reaction

$$\stackrel{\text{NH}_2}{\longrightarrow} \stackrel{\stackrel{\text{t}}{\longrightarrow} \stackrel{\text{T}}{N_2 X}}{\longrightarrow}$$
Benzene diazonium halide

9.

Among the isomeric alkanes of molecular formula  $\rm C_5H_{12}$  , identify the one that on photochemical chlorination yields

(i) A single monochloride. write the IUPAC of the reactant.

10. give the IUPAC of the major compound formed:

$$OH$$
 +  $SOCl_2$   $\longrightarrow$