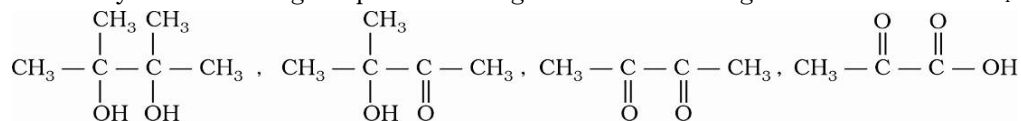
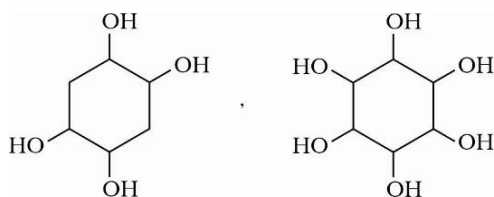
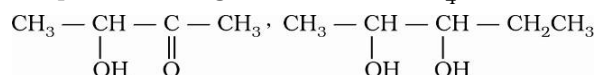


Date Planned : __ / __ / __	Daily Tutorial Sheet – 11	Expected Duration : 90 Min
Actual Date of Attempt : __ / __ / __	Numerical Value Type for JEE Main	Exact Duration : _____

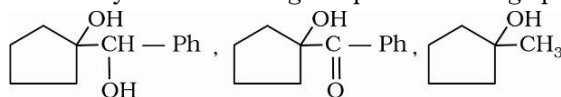
126. How many of the following compounds undergoes oxidative cleavage on reaction with HIO_4 ?

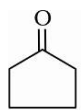


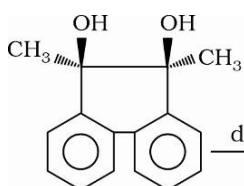
127. How many total number of aldehyde and carboxylic acid compounds are obtained when following compounds undergo reaction with HIO_4 ?



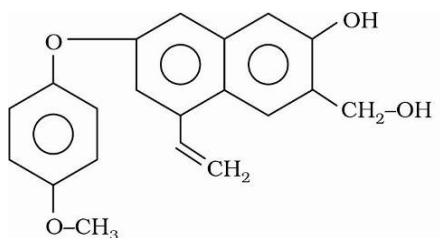
128. How many of the following compounds undergo pinacol-pinacolone rearrangement?



129.  $\xrightarrow[\text{H}_2\text{O}]{\text{Mg-Hg}}$ (A) How many $-\text{OH}$ groups are present in product (A)

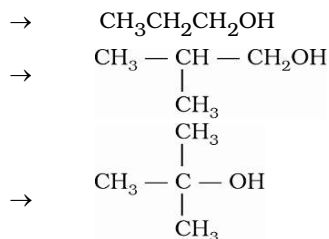
130.  $\xrightarrow{\text{dil. H}_2\text{SO}_4}$ (A) How many atoms are present in one plane in product A?

131. $\text{CH}_3 - \overset{\text{Ph}}{\underset{\text{OH}}{\text{C}}} - \underset{\text{Cl}}{\text{CH}} - \text{CH}_3 \xrightarrow[\text{Ag}_2\text{O}]{\text{Moist}}$ (A) How many $-\text{OH}$ groups are present in (A)?

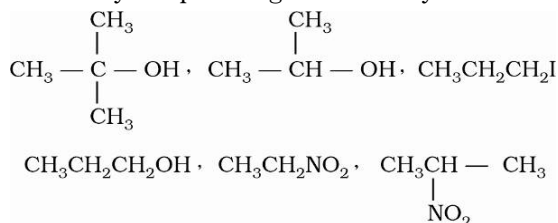
132.  $\xrightarrow{x \text{ HI}}$ (A)

If one mole of given compound reacts with HI then what is the value of x?

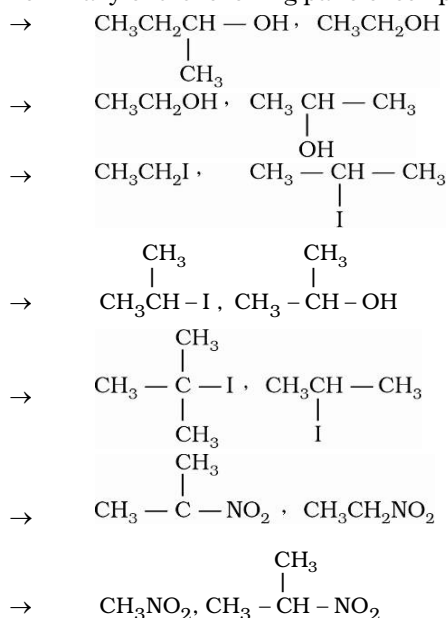
133. How many of the following are more reactive than $\text{CH}_3\text{CH}(\text{OH})\text{CH}_3$ for Lucas reagent?



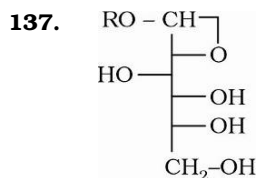
134. How many compounds give Victor-Meyer test and produce red colouration.



135. How many of the following pairs of compounds can be distinguished by Victor's Meyer's test?



136. An unknown compound (A) having molar mass = 180, on acylation gives a product whose molar mass = 390, then find the number of hydroxyl groups present in compound A.



One mole of given compound is reacted with HIO_4 , how many moles of HIO_4 are consumed?

- 138.** 0.092 g of a compound (A) with the molecular formula $C_3H_8O_3$ on reaction with an excess of CH_3MgI gives 67 mL of methane at STP. The number of active hydrogen atoms present in a molecule of the compound (A) is:
- 139.** How many primary alcohol (including stereoisomers) are possible with formula $C_5H_{12}O$?
- 140.** If $(\pm)2$ -methyl butanoic acid were esterified by reaction with $(\pm)2$ -butonal, how many optically active compounds would be present in the final equilibrium reaction mixture?