TRINITY COLLEGE NABBINGO S.6 CHEMISTRY DISCUSSION QUESTIONS TERM I1

- 1. Complete the following equations and outline the mechanism.
 - (a) CH₃COCH₂CH₂ NaHSCO₃

(b) OH
$$\frac{\text{Conc. H}_2\text{SO}_4}{18^0\text{C}}$$

(c)
$$CH_3$$
 + CH_3CH_2Cl NaOH(aq) Heat

(d)
$$RCHO + H_2N - OH$$
 $H+$

(e)
$$+ CH_3C = CH_2$$
 $+ CH_3$

- 2. Write equations to shows how the following compounds can be synthesized.
 - (a) $(CH_3)_2 C + N NH$ NO₂ from propane
 - (b) \sim CH₂OH from benzene
 - (c) $C_6H_5C\equiv CCH_3$ from $C_6H_5CH_2CH_2OH$

END