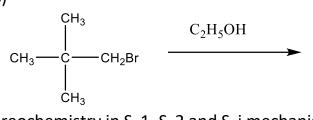
Assignment 1

Chemistry (Generic) 2nd SEM

- Why alkyl halides are insoluble in water although they contain C-X bond. (2)
- 2. Arrange the following in order of their increasing reactivity towards nucleophilic substitution reactions. (1)

CH₃F, CH₃Cl, CH₃I, CH₃Br

- 3. Explain S_N i mechanism with an example. (3)
- 4. Write the principal product of the following reaction with mechanism. (3)



5. Explain the stereochemistry in $S_N 1$, $S_N 2$ and $S_N i$ mechanism. (6)