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**CLASS TEST**

**GRADE – XII MARK - 20**

**SUBJECT – CHEMISTRY TIME – 40 MINS**

**1.** **Explain a chemical test to distinguish between primary, secondary and tertiary alcohols.**

**2. How to convert**

 **(a) Ethanal to propan -2- ol**

 **(b) l – propanol to 2 – bromo propane**

 **(c) Ethanol to propanone**

**3. Show how are the following alcohols prepared by the reaction of a suitable** **grignard reagent on methanal?**

**4. Predict the major product of acid catalysed dehydration of**
**(i) 1-Methylcyclohexanol and** **(ii) Butan-1-ol**

**5. Explain why propanol has higher boiling point than that of the hydrocarbon, butane?**

**6. Alcohols are comparatively more soluble in water than hydrocarbons of comparable molecular masses. Explain this fact.**

**7. Explain how does the -OH group attached to a carbon of benzene ring activate it towards electrophilic substitution?**

**8. Give reason for the higher boiling point of ethanol in comparison to methoxymethane.**

**9. Convert butanol to butanoic acid**

**10. Write the mechanism for dehydration of alcohols**