CH1010 Tutorial 2

Name:

1. Identify the **functional groups** in the following molecule:

contisone acetate (active ingredient in steriod skin cream)

2. Convert the following structure into a **line-angle drawing**.

3-brom o-1-cyclopentene

3. Provide **IUPAC names** for the compounds below:

$$(CH_3)_2CHCH_2CH(CH_2CH_3)CH_2C(CH_3)_3$$

- 4. Draw **line-angle structures** corresponding to the following IUPAC names:
 - 3,6-dimethyl-1,4-cyclohexadiene

2-chlorophenol

- 6. The **hydrobromination** of 2-methylbut-2-ene gives a mixture of products as illustrated.
 - Predict the major product and provide a **detailed mechanism** using mechanistic arrows.

$$H_3C$$
 CH_3
 H_3C
 CH_3
 H_3C
 CH_3
 H_3C
 CH_3
 CH_3