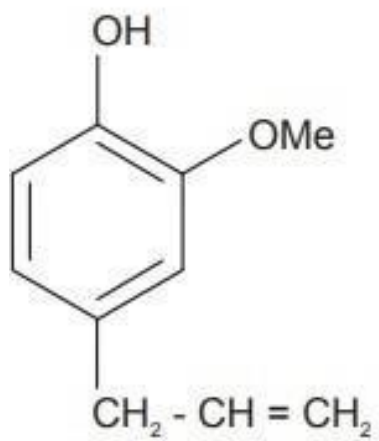
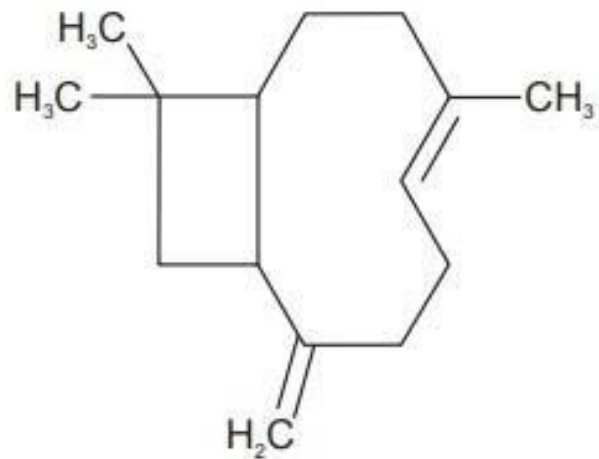


**CLOVE**

Eugenol



Caryophyllene

**Practical -10**

Date: .../.../.....

**MORPHOLOGY OF CLOVE**

**Aim:** To identify the morphological characters of given organised drug.

**Reference:**.....

**Requirements:**.....

**Synonym:** Lavang

**Biological source:** It consists of dried flower buds of **Eugenia caryophyllus**.

**Family:** Myrtaceae

The oil contains Not less than 15% v/w of clove oil.

**Morphological characteristics (Clove Bud):**

S. No.	Morphological Character	Observation
1	Colour	
2	Odour	
3	Taste	
4	Shape	
5	Size	
6	Extra features	

**Chemical constituents:**

- It contains eugenol, iso-eugenol, methyl- and dimethyl-furfuryl,  $\alpha$ - and  $\beta$ - caryophylline, hydrolysable tannins.

**Uses:**

- Carminative
- Aromatic
- Stimulant
- Antiseptic
- Flavouring agent
- Dental analgesic oil.

**Report:** The given organised drug was identified as.....

## Questions Bank

1. Write the biological source of Clove.
2. Write the chemical name of clove, responsible for dental analgesic.
3. What is Hindi name of Clove.
4. What are the uses of Clove.
5. Write the name of chemical constituent of Clove.
6. What is the antiseptic property?
7. Which plant part use of clove herb?
8. Draw the chemical structure of eugenol.
9. Write the one chemical test for Clove.
10. Paste the one marketed preparation of Clove.