



- Notes :
1. Q. No. **1** is compulsory and solve **Any Four** from remaining.
 2. All questions carry equal marks.
 3. Illustrate your answers wherever necessary with the help of neat sketches.

1. a) Define Resins Give its classification with suitable examples and describe its Physico-chemical Properties. **6**
b) Give the Pharmacognostic note on Benzoin. **10**
2. Give Biological source, chemical constituents and uses of **Any Four** **16**
a) Senna
b) Digitalis
c) Bitter almond
d) Aloe
e) Orange-peel
f) Kalmegh
3. a) Elucidate the structure of camphor. **12**
b) Explain the general Extraction methodology of Resins. **4**
4. a) Write detail Pharmacognostic account on any one of the following. **10**
a) Cannabis b) Ginger c) Colophony
b) Define tannins? Classify them with suitable examples of each. **6**
5. Describe in detail process of Isolation, Purification & Chromatographic profiles of **Any One** of the following **16**
a) Eugenol b) Menthol c) Cineole
6. Write Short note on **Any Four** **16**
a) Pale & Black Catechue
b) Amla
c) Balsam of Tolu
d) Storax
e) Quassia
f) Strophanthus.
7. a) What are marine drugs? classify them with suitable examples and describe the various marine drugs of anticancer actively **10**
b) Write short note on **Any One.** **6**
a) Shatavari b) Capsicum
