

B. Pharm Seventh Semester
35177 : Pharmacognosy - V : P-7.4

P. Pages : 1

Time : Three Hours



AV - 2354

Max. Marks : 60

- Notes :
1. All question carry equal marks.
 2. Answer **five** questions.
 3. Illustrate your answer necessary with the help of neat sketches.

1. Describe in detail Thin layer chromatography and its application with examples. **12**
2. Discuss plant tissue culture along with its pharmaceutical applications. **12**
3. a) Write about plants used in management of cancer. **7**
b) Give biological source, preparation and uses of papain. **5**
4. a) Classify and describe natural allergens with suitable example. **7**
b) Write short note on - Isolation of volatile oils. **5**
5. a) Write isolation, characterization and estimation of sennoside. **7**
b) Discuss worldwide trade of crude drugs and volatile oils. **5**
6. a) Describe general methods used for isolation and characterization of Alkaloids. **7**
b) Discuss plants used in management of Hypertension. **5**
7. Write short notes on **any three**. **12**
 - a) Column chromatography.
 - b) Plant based Industries.
 - c) Isolation of Quinine.
 - d) Fungal toxins.
