

B. Pharm Fifth Semester
35164 : Pharmacognosy - III : T-5.4

P. Pages : 1

Time : Three Hours



AV - 2342

Max. Marks : 60

- Notes :
1. All question carry equal marks.
 2. Answer **any five** questions.
 3. Illustrate your answer necessary with the help of neat sketches.
 4. Use of pen Blue/Black ink/refill only for writing the answer book.

1. What is chromatography? Enlist different types of chromatography? Write in detail about column chromatography? **12**
2. Write synonym, biological source, chemical constituents and uses of. **12**
 - a) Cascara
 - b) Squill
 - c) Dioscorea
 - d) Saffron
3.
 - a) What is cell? What are tissues? Write in detail about different types of plant tissues? **6**
 - b) Write in detail pharmacognostic account of Digitalis? **6**
4.
 - a) Write in detail about Mavolonic pathway? **6**
 - b) What is Elucidation of Biosynthetic pathway? Write in detail about Tracer technic? **6**
5. Discuss in detail about Thin Layer Chromatography? **12**
6.
 - a) What is photosynthesis? Write in detail photosynthesis in plants? **6**
 - b) Discuss in detail common Poisonous plants of India? **6**
7. Write short notes **any two**. **12**
 - a) Pharmacognostic account of senna.
 - b) Shikimic acid pathway.
 - c) Leaf constants & Trichomes.
