

B. Pharm. Sixth Semester
35170 : Pharmacognosy - IV : T-6.4

P. Pages : 1

Time : Three Hours



AU - 0685

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. Define Alkaloid. Classify alkaloids suitable examples? Give Star-Otto method for isolation of alkaloids. 12
2. Define essential oils? Explain different methods of extraction of essential oil in detail. 12
3. What is phytochemical screening? What are the phytochemical screening methods for saponins and alkaloids. 12
4. Write a short note on **any three**. 12
 - a) Nutraceutical.
 - b) Ayurvedic system of medicine.
 - c) Life cycle of Ergot.
 - d) Amla & Shatavari OR Shilajit.
5. a) Write a note on natural antioxidants. 6
- b) Give pharmacognostic account on Belladonna or Datura. 6
6. Give synonym, biological source, microscopy, morphology, chemistry, chemical tests and uses of following crude drugs **any two**. 12
 - a) Rauwolfia.
 - b) Cinchona.
 - c) Ephedra.
 - d) Cinnamon.
7. Give vernacular names, source, morphology, chemistry and pharmacology of following crude drugs **any two**. 12
 - a) Nux-vomica & Neem.
 - b) Punarnava & Palash.
 - c) Adulsa & Ashoka.
 - d) Shankhapusphi & Brahmi.
