

AV – 2306

Third Year B. Pharm. (Annual Pattern) Examination

PHARMACOGNOSY – II

Paper – III – T – 5

(USC – 35019)

P. Pages : 2

Time : Three Hours]

[Max. Marks : 80

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

1. Define Alkaloids. Discuss chemical test for identification of Alkaloids. Give general methods for its isolation. 10
2. Define volatile oil. Discuss different methods for isolation of volatile oils. 10
3. Explain different methods used for the extraction, isolation and purification of Natural Products. 10
4. What is Traditional System of Medicine ? Enlist different traditional system of medicine. Give the principle behind Ayurvedic System of Medicine. 10
5. Define Glycosides. Give its classification with examples. Explain general methods for the isolation of Glycosides. 10
6. Write synonym, biological source, chemical constituent and uses for :
(1) Senna (2) Digitalis (3) Aloe (4) Cinchona 10

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7. What is elucidation of Bio – Synthetic pathway ? Write in detail about different technique used in elucidation of biosynthetic pathway. 10
8. (a) Give the life cycle of Ergot. 5
(b) Give the pharmacognostic account of Senna and Digitalis. 5
9. Write in detail about Shikimic acid pathway. 10
10. Write short notes on (Any Two) :—
(a) Opium (b) Dioscorea (c) Rhubarb 10

