

2010 Scheme

Q P CODE: 306006

Reg. No:

Third Year B.Pharm Degree Supplementary Examinations March 2025 Pharmacognosy II

Time: 3 Hours

Total Marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essays

(3x10=30)

1. Explain the biosynthesis of digitalis glycosides.
2. Discuss the biological source, morphology, microscopy, chemical constituents and uses of cinchona.
3. Describe the principle, method and application of Thin Layer Chromatography.

Short notes

(14x5=70)

4. Explain the biological source, method of preparation and uses of diastase
5. Spirulina
6. Write a note on steroidal alkaloids.
7. Explain the principle and procedure involved in soxhlet extraction.
8. Chemical test for indole and tropane alkaloids.
9. Discuss Shikimic acid pathway
10. Write the biological source, pharmacological uses and marketed formulations of psorelea and gentian.
11. Write a note on any two anticancer agents from marine source.
12. Define the following a) Alkaloids b) Chromatography
13. Explain the biological source, chemical constituents, uses of catharanthus and colchicum.
14. Explain the biological source, cultivation, collection and processing of opium.
15. Discuss the method of preparation of asava and arista.
16. Microscopy of ephedra.
17. Describe briefly about chemotaxonomy of medicinal plants.
