

QP Code: 524006

Reg. No.....

**Fifth Semester B. Pharm Degree Supplementary Examinations
December 2023
Pharmacognosy and Phytochemistry II
(2017 Scheme)**

Time: 3 Hours

Max. Marks: 75

- *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

(2x10=20)

1. Explain the role of chromatographic techniques in isolation and estimation of herbal drugs.
2. Define and classify glycosides, with examples. Write the source, chemical constituents, and method of extraction of Senna.

Short Notes

(7x5=35)

3. Write a note on lignans and carotenoids.
4. Explain tracer technique.
5. Describe the anatomy of Digitalis.
6. Describe method of production, and estimation of taxol.
7. Differentiate between Sumatra and Siam benzoin.
8. Describe the method of isolation and analysis of podophyllotoxin.
9. Explain the industrial production and estimation of vincristine and vinblastin

Answer Briefly

(10x2=20)

10. Give any five applications of spectroscopical methods.
11. Write the biological source, chemical constituents, and uses of Mentha.
12. What is super critical fluid.
13. Morphology of Rauwolfia.
14. Write the biological source, chemical constituents, and uses of Asafoetida.
15. Write the application of gel electrophoresis.
16. Name the flavonoids present in Liquorice. Give their medicinal importance.
17. Write the method of estimation of forskolin.
18. Define alkaloids, give examples, and mention its general properties.
19. Write the chemical tests to differentiate pale catechu and black catechu
