

QP Code: 524006

Reg. No.....

**Fifth Semester B. Pharm Degree Regular/Supplementary
Examinations January 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 industrial production, estimation and utilization of digoxin.
2. Discuss in detail the collection, constituents with uses and chemical test of opium.

Short Notes

(7x5=35)

3. Discuss the industrial production method and application of Senna glycosides
4. Dioscorea rhizome
5. Illustrate the pharmacognosy of Rauwolfia root.
6. Explain Taxus
7. Explain chromatographic techniques used in plant drug analysis.
8. Explain the term iridoids and discuss the pharmacognosy of Gentian
9. Explain the production and estimation of podophyllotoxin from its sources.

Answer Briefly

(10x2=20)

10. Name any two basic metabolic pathways in the formation of plant secondary metabolites.
11. Give the structure of sennosides.
12. Mention any two uses of bitter almond.
13. List the constituents of ginger and how will you mask the pungency of ginger.
14. Explain Lignans. Give examples.
15. Mention the spray reagents used to detect alkaloids.
16. Explain the confirmatory test for Asafoetida
17. Explain the therapeutic uses of cinnamon.
18. Name the different methods of feeding radio isotopes to plants in tracer technique.
19. Therapeutic use of colophony.
