

Q P CODE: 306006

Reg. No:

Third Year B.Pharm Degree Supplementary Examinations June 2019

**Pharmacognosy II
(2010 Scheme)**

Time: 3 Hours

Total Marks: 100

- **Answer all Questions**

Essays

(3x10=30)

1. Describe the biological source, macroscopic, microscopic characters and substitutes and adulterants of Digitalis.
2. Write the cultivation, collection, processing and commercial varieties of Opium.
3. Explain the Shikimic acid pathway.

Short notes

(14x5=70)

4. Chemical tests for the identification of Liquorice.
5. Biological source, morphology, chemical nature and uses of Arjuna.
6. Chemical nature, pharmacology, uses and marketed formulations of Gokhru.
7. Define Gutika and write the method of preparation.
8. Method of cultivation and collection of coffee.
9. Specific chemical tests for the identification of alkaloids
10. Source and macroscopic characters of Ephedra and Colchium
11. Application of TLC in evaluation of herbal drugs.
12. Give an outline on acetate mevalonate pathway
13. Draw a neat labelled diagram of Datura.
14. Novel therapeutic agents having antimicrobial activity from marine source.
15. Basic principles of chemotaxonomy.
16. Define plant allergens and write the method of preparation of allergenic extracts.
17. Preparation and identification of maltase.
