

2012 scheme

QP CODE: 413006

Reg. No:

Final Year B.Pharm Degree Supplementary Examinations September 2023

Pharmacognosy – III

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 Diagrams wherever necessary*

Essays

(3x10=30)

1. Give a detailed account of spectral applications in the establishment of structures of phyto-molecules.
2. Discuss the chemistry and biogenesis of Morphine. Add a note on its pharmacological activity and mode of action.
3. Explain the role of medicinal and aromatic plants in national economy. Add a note on world-wide trade of Dioscorea and Rauwolfia.

Short notes

(14x5=70)

4. Classification of herbal cosmetics
5. Types of patenting of herbal drugs
6. Development of herbal formulations
7. Methods of gene transfer in plants
8. Applications of plant tissue culture in Pharmacognosy
9. In situ methods of conservation of biodiversity
10. Plant based industries
11. World-wide trade data of plants used as laxatives
12. Chemistry of Quassinoids
13. Chemistry and pharmacological activity of ergot alkaloids
14. Definition and methods of adulteration of crude drugs
15. Stereoisomerism of natural products
16. Differentiate between monoterpenes and sesquiterpenes
17. Discuss the biosynthesis of a triterpenoid compound which you have studied
