

2010 Scheme

QP CODE: 403006

Reg. No:

Final Year B.Pharm Degree Supplementary Examinations June 2022 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. Define glycosides and classify them. Explain the chemistry and biosynthetic pathway of cardio active glycosides
2. Explain in detail the worldwide trade in medicinal plants and their role in the development of national economy
3. Explain different methods of gene transfer. Mention the applications of gene mapping

Short notes

(14x5=70)

4. Chemistry of sesquiterpenes with example
5. Explain the pathway for the biosynthesis of atropine
6. The role of NMR spectroscopy in the structural elucidation
7. Define explants and explain the reagents used for sterilization of explants
8. Root tip culture
9. Define herbal nutraceuticals giving specific examples
10. Medicinally important lignans
11. Sources and the uses of pentacyclic triterpenoids
12. In-situ conservation of medicinal plants
13. Chemical evaluation of crude drugs
14. Chemistry and biogenesis of ephedrine
15. Isolation and culture of plant protoplasts
16. Herbs used in the development of herbal cosmetics
17. Methods of evaluation of crude drugs
