

2012 Scheme

QP CODE: 316006

Reg. No:

Third Year B.Pharm Degree Supplementary Examinations June 2022 Pharmacognosy II

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 table/diagrams/flow charts wherever necessary*

Essays

(3x10=30)

1. Define allergens. Explain in detail the preparation of different allergenic extracts.
2. Discuss pharmacognostic report on rauwolfia
3. With biological source, chemical constituents and uses, explain the morphology and T.S of liquorice.

Short notes

(14x5=70)

4. Explain the shikimic acid pathway for the biogenesis of secondary metabolites
5. Explain the principle and working of HPLC with diagram
6. Explain maceration and different types of maceration techniques. List its advantages and disadvantages
7. Explain the cultivation, collection and processing of tea leaves
8. Explain the morphology and T.S of datura leaf with neat labeled diagram
9. What are Asavas and Bhasmas. Briefly discuss the method of preparation of the same
10. With biological source, explain the preparation and uses of bromalein
11. Define chemotaxonomy. Add a note on chemotaxonomy of alkaloids.
12. Give the biological source chemical constituents and uses of Arjuna, Guggul and Brahmi
13. Give the biological source, chemical constituents with structure of any two anti-neoplastic drugs from sea sources
14. Give the biological source, substitutes and adulterants of digitalis and senna
15. Explain the working of gas chromatography with neat diagram
16. Explain the following tests and its significance of Keller killiani test and modified Borntrager's test.
17. Spirulina and its therapeutic importance.
