

2010 Scheme

Q P CODE: 306006

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. Describe the biosynthesis of various metabolites from Shikimic acid pathway.
2. Discuss the biological source, cultivation, macroscopical and microscopical characters of senna.
3. Explain percolation and super critical fluid extraction techniques.

Short notes

(14x5=70)

4. Biological source and preparation of papain.
5. Gas chromatography.
6. Source and microscopy of digitalis.
7. Cultivation and collection of anti-malarial drug.
8. Uses and chemical tests of aloes.
9. Life cycle of ergot.
10. Macroscopical characters of nuxvomica.
11. Source and chemical nature of any two antimicrobial agents from marine source.
12. Source and microscopy of rauwolfia.
13. Vernacular names, botanical source and marketed formulations of Bhilwa and brahmi.
14. Chemotaxonomy.
15. Classification and preparation of allergenic extracts.
16. Principle and applications of paper chromatography.
17. Biological source, constituents and uses of spirulina.
