

# 2010 Scheme

Q P CODE: 306006

Reg. No: .....

## Third Year B.Pharm Degree Supplementary Examinations December 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. Explain in detail about biogenesis of secondary metabolites by isoprenoid pathway.
2. Discuss the biological source, chemical constituents, cultivation, macroscopical and microscopical characters of cinchona.
3. Describe the method of preparations of ayurvedic formulations taila and lehya

### Short notes

(14x5=70)

4. Super critical fluid extraction
5. Explain on adulterants and substitutes of Senna
6. Gelatin
7. Write the vernacular name, biological source, chemical constituents and uses of tylophora and satavari.
8. Write a note on any two cardioprotective agents from marine source.
9. Explain the principle and application of column chromatography.
10. Describe about any two tropane alkaloid containing drugs.
11. Cardenolides.
12. Write the biological source, pharmacological uses and marketed formulations of shankhapushpi and palash.
13. Pharmacognosy of physostigma.
14. Source, method of preparation and uses of bromelain.
15. Morphology of rauwolfia and ipecac.
16. Difference between TLC and HPTLC.
17. Write biological sources, chemical constituents, uses and adulterants of psorelea and chirata

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