

# **2010 Scheme**

**Q P CODE: 306006**

**Reg. No: .....**

## **Third Year B.Pharm Degree Supplementary Examinations January 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. Discuss the biological source, cultivation, macroscopical and microscopical characters of digitalis.
2. Explain the method of preparation of asava and bhasma.
3. Describe biogenesis of secondary metabolites from acetate mevalonate pathway.

### **Short notes**

**(14x5=70)**

4. Chemical tests and chemical constituents of cinchona.
5. Biological source and preparation of bromelain.
6. Principle of Ayurveda.
7. Cultivation and collection of opium.
8. Gelatin.
9. Soxhlet extraction.
10. Explain briefly about HPLC.
11. Source and chemical nature of any two anti-cancer agents from marine source.
12. Microscopy of nuxvomica.
13. Classification and preparation of allergenic extracts.
14. Vernacular names, botanical source and marketed formulations of amla and shankapusphi.
15. General chemical tests for alkaloids.
16. Differences between cardenolides and bufadienolides.
17. Principle and applications of TLC.

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