

# **2012 Scheme**

**QP CODE: 316006**

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

## **Third Year B.Pharm Degree Supplementary Examinations August 2021 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*

### **Essays**

**(3x10=30)**

1. Describe the various types of alkaloids with examples and mention official source, constituents, chemical test and uses of a tropane alkaloid.
2. Describe in brief about various types metabolic path ways along with their enzymes involved and their pharmaceutical importance.
3. Discuss in brief the biological importance of glycosides containing drugs along with examples and their biological sources.

### **Short notes**

**(14x5=70)**

4. Sources, chemical constituents and uses of ephedra and tea.
5. Chemical test for identification of indole alkaloids.
6. Definition and preparation of Bhasmas along with one example.
7. Define chromatography and its application in herbal drug industry.
8. Detailed microscopy of Datura leaf.
9. Applications of allergens and allergen extracts in immunology.
10. Chemical constituents and pharmacological uses of Brahmi and Kalijiri.
11. Botanical sources and chemical tests for digitalis and cascara.
12. Biological sources, preparation and identification tests of diastase.
13. Give some examples of novel medicinal agents from marine sources.
14. Cardio active sterols with their chemical structures.
15. Define the botanical sources and uses of Amla, Kantakari, bhilwa and Rasna
16. Define the holistic concept of drug administration in traditional medicine.
17. Mention any two marketed formulations containing gymnema along with its uses.

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