

# 2012 scheme

QP CODE: 413006

Reg. No: .....

## **Final Year B.Pharm Degree Supplementary Examinations April 2024 Pharmacognosy – III**

**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 Diagrams wherever necessary*

**Essays**

**(3x10=30)**

1. Discuss on various plant-based industries in India. Comment on the scope of herbal drug industries in India.
2. Discuss the chemistry, biogenesis and pharmacological action of Morphine
3. Elaborate on any two WHO guidelines applicable for evaluation of crude drugs

**Short notes**

**(14x5=70)**

4. Write the biological source, chemical constituents and health benefits of any two herbaceous health foods
5. Discuss on gene mapping in plants
6. Any two drugs used in herbal cosmetics with their source and chemical constituents
7. Methods of adulteration of crude drugs
8. Spectral methods to establish the chemistry of natural compounds
9. Chemistry of Quassinoids
10. Describe the various steps involved in the patenting of herbal drugs.
11. Chemistry and Pharmacological activity of Vincristine
12. Applications of plant tissue culture in pharmacognosy.
13. Germplasm conservation
14. Biogenesis of a known diterpene compound
15. World trade of Rauwolfia and Taxus Species
16. Note on evaluation parameters for any two types of herbal formulations
17. Various phases of growth in plant tissue culture

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