

# **2012 scheme**

**QP CODE: 413006**

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

## **Final Year B.Pharm Degree Supplementary Examinations May 2023**

### **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 the chemistry, biogenesis and pharmacological activity of important monoterpenes.
2. Discuss in detail the adulteration and evaluation of crude drugs.
3. Bring out differences between the types of plant tissue culture. Add a note on growth and their maintenance.

**Short notes**

**(14x5=70)**

4. Any five herbs as health foods
5. Patents and Patent Act
6. Evaluation of herbal formulations
7. Transgenic plants and their applications
8. Nutritional requirements in plant tissue culture
9. Endangered plant species
10. Plant based institutions
11. World-wide trade data of any two alkaloidal plants
12. Chemistry of Lignans
13. Chemistry and pharmacological activity of Ephedrine
14. Biosynthesis of Sennosides
15. Application of UV spectroscopy for the analysis of phyto-molecules
16. Spectral approaches to simple molecules of natural origin
17. Write the biological source, chemical constituents and uses of any two drugs used in herbal cosmetics

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