

# **2012 scheme**

**QP CODE: 413006**

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

## **Final Year B.Pharm Degree Supplementary Examinations October 2019**

### **Pharmacognosy – III**

**Time: 3 Hours**

**Total Marks: 100**

- Answer all Questions.
- Draw diagrams wherever necessary.

**Essays**

**(3x10=30)**

1. Classify monoterpenes of pharmaceutical importance. Explain the biogenesis, chemistry and pharmacology of cyclic monoterpenes
2. Define tissue culture and totipotency. Explain the establishment of callus culture from leaves and seeds of plants
3. What are the methods of adulteration of crude drugs. Give the methodology to detect adulteration in each taking examples from the plant or animal source you have studied.

**Short notes**

**(14x5=70)**

4. Industries from southern states of India involved in the preparation of plant extracts
5. World trade of anti-cancer plant drugs
6. Biogenesis of flavonoids
7. Chemistry of sennosides
8. Sources and pharmacological activity of vinca alkaloids
9. Chemistry of opium alkaloids
10. Methods to conserve germ plasm
11. Methods of evaluation of herbal tablets
12. Health foods from plant source
13. Biological sources, chemical constituents and uses of turmeric as a cosmetic
14. List of herbs for skin care
15. Chemical constituent of henna
16. Quassinooids of medicinal importance
17. UV spectra of any two natural molecule.

\*\*\*\*\*