

# **2010 Scheme**

**QP CODE:403006 (Old Scheme)**

**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. Define callus. Explain the organic and inorganic nutritional requirements of plant tissue culture media.
2. Define and classify laxatives. Explain the biogenesis of sennosides
3. Briefly describe the methods of development and evaluation of solid herbal dosage formulation.

**Short notes**

**(14x5=70)**

4. FTIR and mass spectroscopy for the identification of natural compounds
5. Explain types of ash values and its significance in the evaluation of crude drugs.
6. Give the biological source, chemical constituents and uses of digitalis and belladonna
7. Spirulina as health food
8. With the source and chemical constituents discuss any two herbs used in hair care products.
9. The role of medicinal and aromatic plants in Indian economy
10. Explain in detail the various growth phases of callus in culture.
11. Discuss the world-wide trade of ipecac.
12. DNA finger printing.
13. Institutions involved in work on medicinal plant research in India.
14. Give the biogenesis of hyoscyamine from ornithine.
15. The biological source, chemistry and pharmacological activity of ephedrine.
16. Germ plasm conservation
17. With the key herbal ingredients, briefly describe the creams for skin care

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