

# **2010 Scheme**

**Q P CODE: 306006**

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

**Third Year B.Pharm Degree Supplementary Examinations  
November 2019  
Pharmacognosy II**

**Time: 3 Hours**

**Total Marks: 100**

- **Answer all Questions**

**Essays**

**(3x10=30)**

1. Describe the biological source, macroscopic, microscopic characters and substitutes and adulterants of liquorice.
2. Write the source, life cycle, chemical constituents and uses of ergot.
3. Describe the different techniques used in extraction and isolation of phytoconstituents.

**Short notes**

**(14x5=70)**

4. Biological source, morphology, chemical constituents and uses of Dioscorea.
5. Botanical source, chemical nature, substitutes, adulterants and uses of Saffron.
6. Chemical nature, pharmacology, uses and marketed formulations of Methi.
7. Marketed formulation and uses of Amla and Neem.
8. Microscopy of Rauwolfia
9. Cultivation and collection of Cinchona.
10. Source and powder characters of Ephedra.
11. Application of HPTLC in evaluation of herbal drugs.
12. Supercritical fluid extraction technique and its significance.
13. Stages of chemotaxonomic investigations.
14. Novel therapeutic agents having anti-inflammatory activity from marine source.
15. Types and properties of plant allergens
16. Preparation and identification of Diastase.
17. General characters and uses of spirulina

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