

**Final Year B.Pharm Degree Supplementary Examinations  
November 2018  
Pharmacognosy – III  
(2010 scheme)**

**Time: 3 Hours**

**Total Marks: 100**

- Answer all Questions.
- Draw diagrams wherever necessary.

**Essays**

**(3x10=30)**

1. Outline the chemistry, biogenesis and pharmacological activity of morphine
2. Define plant tissue culture. Explain its types and basic requirements for the establishment of cell suspension culture. Add a note on its significance
3. Explain the influence of medicinal plants in the economic status of India

**Short notes**

**(14x5=70)**

4. Role of IR spectroscopy in the identification of phyto molecules
5. Significance of stereo isomerism of natural products with relevance to pharmacy
6. Worldwide trade of diosgenin
7. Chemistry of quinine
8. Medicinally important lignans
9. Institutions involved in plant based research
10. Economic value of ginseng and aloe
11. Endangered plant species and its conservation
12. Gene mapping techniques in plants
13. Problems encountered in the development of herbal formulations
14. Types of adulteration
15. Herbs used in cosmetics for hair care
16. Herbaceous health foods and its importance.
17. Transgenic plants and its importance in pharmacy.

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