

**QP CODE: 413006**

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

**Final Year B.Pharm Degree Supplementary Examinations  
December 2017**

**PHARMACOGNOSY – III  
(2012 scheme)**

**Time: 3 Hours**

**Total Marks: 100**

- Answer all Questions.
- Draw diagrams wherever necessary.

**Essay**

**(3x10=30)**

1. With the biological source explain the biogenesis of digoxin
2. Briefly describe the methods of development and evaluation of herbal formulation.
3. Define totipotency. Explain the organic and inorganic nutritional requirements of plant tissue culture media

**Short notes**

**(14x5=70)**

4. Define and briefly discuss the different methods of adulteration with suitable example
5. Explain types of ash values and its significance.
6. World wide trade of Taxol and Rauwolfia.
7. Threats to endangered and endemic species of plants in India
8. Mention the source and chemical constituent of any two herbs used in skin care products.
9. Discuss 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. Transgenic plants and its application in medicinal plants.
13. Enlist plant based institutions in India and their role in medicinal plants research.
14. Give the biogenesis of triterpenoids of medicinal important.
15. The biological source, chemistry and pharmacological activity of ergot
16. Applications of plant tissue culture.
17. Gene mapping of medicinal plants

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