

**QP Code: 105330**

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

**First Year M.Pharm Degree Examinations - February 2013**

(2011 Admn- New Scheme)

**(Pharmacognosy & Phytochemistry)**

**Paper I- Phytochemistry**

**Time: 3 hrs**

**Maximum Marks: 100**

- *Answer all questions*
- *Draw diagrams wherever necessary*

**Essays:**

**(2x20 =40)**

1. Explain the chemistry, biogenetic pathway method of extraction, isolation, purification and estimation of cardiac glycosides.
2. Discuss phytochemistry and biogenetic pathway of steroids and add a note on source, chemistry and uses of two phytoestrogen which you have studied.

**Short Essays:**

**(6x10=60)**

3. Discuss the chemistry and pharmacological actions of terpenoids.
4. Describe the systematic approach to discovery and development of natural products as potential new drugs.
5. Discuss herbal cosmetics.
6. Discuss SAR of phytochemicals with examples.
7. Give the biogenesis, classification, sources and uses of flavanoids.
8. Explain the method of extraction, isolation and estimation of ginsenosides.

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