

**QP Code: 3301**

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

**M Pharm Part I Degree Examinations - June 2012**

**(Pharmacognosy & Phytochemistry)**

**Paper I - Phytochemistry**

**Time: 3 hrs**

**Maximum Marks: 100**

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

**Essays:**

**(2x20 =40)**

1. Explain the biogenetic pathways for important steroidal drugs.
2. Discuss in detail the methods of extraction, isolation, purification and estimation of anthraquinone glycosides.

**Short Essays:**

**(6x10=60)**

3. Explain docking studies.
4. Explain the methodology of identification of natural products by using UV spectrophotometer with suitable examples.
5. Explain isolation, purification and estimation of taxol.
6. Explain the sources, chemistry and pharmacological action of drugs containing terpenoids.
7. "Herbal products are the precursors for the new drug development" - explain.
8. Discuss herbal cosmetics.

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