

QP Code: 105330

Reg No:

First Year M.Pharm Degree Examinations– September 2014

(2011 Scheme)

(Pharmacognosy & Phytochemistry)

Paper I - Phytochemistry

Time: 3 hrs

Maximum Marks: 100

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

Essays:

(2x20 =40)

1. Outline the biosynthetic pathway of cardiac glycosides.
2. Explain the different methods of standardization of crude drugs. Add a note on the DNA fingerprinting technique in characterization of herbal drugs.

Short Essays:

(6x10=60)

3. Methods of isolation, purification and estimation of flavonoids
4. Illustrate the structure activity relationship of tropane alkaloids
5. Reverse pharmacology technique in drug discovery.
6. Extraction and estimation of ginsenosides.
7. Biosynthesis and medicinal importance of anthraquinones
8. Explain the sources, chemistry and uses of phytoestrogens.
