

QP Code: 105330

Reg No:

First Year M.Pharm Degree Examinations August 2016

(Pharmacognosy and 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, estimation and uses of flavanoids
2. Discuss in detail the different methods of extraction of phytochemicals from crude drug and its separation and isolation techniques.

Short Essays:

(6x10 = 60)

3. What do you mean by phytoestrogen. Explain the source, chemistry and uses of any two phytoestrogens.
4. Explain how natural products acts as leads for development of new drugs.
5. Discuss the source, chemistry and pharmacological action and uses of any two terpenoids which you have studied.
6. Trace out the biosynthetic pathway for tropane alkaloids.
7. Explain the extraction, purification and estimation of taxol.
8. Discuss the chemotaxonomic significance of alkaloids.
