

QP Code: 105330

Reg No: .....

First Year M.Pharm Degree Examinations August 2017

(Pharmacognosy and Phytochemistry)

Paper I - Phytochemistry

Time: 3 hrs

Maximum Marks: 100

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

Essays:

(2x20 =40)

1. Enumerate the biogenetic pathway of isoquinoline alkaloids
2. What are the different separation techniques for phytochemicals from natural source. Explain their principles involved.

Short Essays:

(6x10=60)

3. Schematic pathway for the bio synthesis of alkaloidal amines.
4. Chemotaxonomic relationship of therapeutically important phytomolecules of Apocynaceae and Rubiaceae
5. Optimization methods of lead compounds in drug discovery.
6. SAR of withanolides and its docking studies.
7. Different methods of standardization of crude drugs.
8. Extraction of bioactive compounds from marine source.

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