

QP Code: 107331

Reg No:

First Year M.Pharm Degree Examinations- February 2013

(2011 Admn- New Scheme)

(Pharmaceutical Chemistry)

PaperIII-ChemistryofNaturalProducts

Time: 3 hrs

Maximum Marks: 100

- *Answer all questions*
- *Draw chemical structures wherever necessary*

Essays:

(2x20 =40)

1. Explain the stereochemistry of steroids. Discuss the structural elucidation of cardiac glycosides.
2. Discuss the chemical classification of alkaloids. Mention the general methods for the isolation and purification of alkaloids. Explain the constitution of reserpine.

Short Essays:

(6x10=60)

3. Describe the constitution of vitamin A and camphor
4. Explain the structural elucidation of cholesterol
5. Explain the evaluation of herbal drugs for anti-diabetic and hepato protective activities.
6. Discuss the importance of identification of biomarkers and fingerprinting of herbal drugs.
7. Explain the WHO guidelines for evaluation of safety and efficacy of herbal medicines.
8. Describe the chemistry of any two natural products having cosmetic value.
