

QP Code: 107331

Reg No:

First Year M.Pharm Degree Supplementary Examinations– March 2015

(2011 Scheme)

(Pharmaceutical Chemistry)

Paper III – Chemistry of Natural Products

Time: 3 hrs

Maximum Marks: 100

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

Essays:

(2x20 =40)

1. Define alkaloids and furnish the methods of isolation of alkaloids. Explain the structure of morphine.
2. Describe the chemistry and structural elucidation of cholesterol. Outline the synthesis of progesterone from diosgenin

Short Essays:

(6x10=60)

3. Show how the structure of quinine has been arrived at.
4. What are flavanoids. Outline the structure and chemistry of quercetin.
5. Explain the role of natural products in new drug development. Describe the structure, chemistry and synthesis of psoralene.
6. Classify terpenoids with examples and describe the various rules governing the chemistry of terpenoids.
7. Explain the isolation and characterization of important nutraceuticals
8. Discuss the evaluation of herbal drugs for anti diabetic and antioxidant properties. Add a note on finger printing of herbal drugs.
