

QP Code: 107331

Reg No:

First Year M.Pharm Degree Supplementary Examinations November 2015

(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. Elucidate the structure of cholesterol. Outline the synthesis of progesterone from diosgenin.
2. Discuss the application of GLC, HPLC, HPTLC and counter current distribution to separate and analyze the plant constituents.

Short Essays: **(6X10=60)**

3. Discuss how do you convert β -carotene to vitamin A.
4. Explain the identification of biomarkers and fingerprinting of herbal drugs.
5. Explain WHO guidelines for evaluation of safety and efficacy of herbal medicines in detail.
6. Elucidate the structure of reserpine.
7. Determine the structure of xanthotoxin.
8. Classify terpenoids with examples. Explain the constitution of citral.
