

QP CODE: 114331

Reg. No:.....

First Semester M.pharm Degree Examinations April 2018

M.Pharm (Pharmaceutical Chemistry)

Paper IV - Chemistry of Natural Products (MPC 104T)

Time: 3 Hours

Total Marks: 75

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essays

(3x10=30)

1. Describe briefly the classification, isolation, purification of alkaloids.
2. Explain the chemistry and physiological significance of vitamin B₁₂
3. What are the different methods used for structural characterizations of natural products. Explain briefly.

Short Notes

(9x5=45)

4. Structural elucidation of quercetin
5. Stereochemistry and nomenclature of steroids
6. Hybridoma technology.
7. Phyllanthus niruri
8. Explain How the Structure of Morphine Can be characterized using various Spectroscopic Methods.
9. Explain the chemistry of sterols.
10. Clinical application and recent advances in gene therapy.
11. The structure and uses of emetine, menthol, vitamin B₁ and folic acid.
12. The principle of DNA estimation.
