

QP CODE: 113330

Reg. No:.....

First Semester M.pharm Degree Examinations April 2018

M.Pharm (Pharmacognosy)

Paper III – Phytochemistry (MPG 103T)

Time: 3 Hours

Total Marks: 75

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essays

(3x10=30)

1. Describe in detail about preparative HPLC
2. Describe on UV and IR spectra in the structural elucidation of phyto-constituents
3. Explain the principle, instrumentation and applications of GC-MS

Short Notes

(9x5=45)

4. Supercritical fluid extraction
5. Umbelliferon
6. Herbs as a source of drug discovery
7. Biosynthesis of ephedrine
8. Isolation of quinine
9. Cucurbitacins
10. Flash column chromatography
11. The lead structure selection process
12. Glycyrrhizin
