

QP CODE: 111328

Reg. No:.....

First Semester M.pharm Degree Examinations March 2019

M.Pharm (Pharmacology)

Paper I: Modern Pharmaceutical Analytical Technique (MPA101T)

Time: 3 Hours

Total Marks: 75

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essays

(3x10=30)

1. Explain in brief about the principle and instrumentation of NMR spectroscopy.
2. Discuss in detail about principle, theory and instrumentation of mass spectroscopy.
3. High performance thin layer chromatography - explain

Short Notes

(9x5=45)

4. Application of UV-visible spectroscopy.
5. Flame emission spectroscopy.
6. Paper electrophoresis
7. Heat flux and power compensation.
8. Instrumentation of thermal gravimetric analysis.
9. X-ray powder technique.
10. Ion exchange chromatography.
11. Applications of potentiometry.
12. Data interpretation in IR spectroscopy.
