

QP CODE: 111327

Reg. No:.....

First Semester M.pharm Degree Examinations April 2018

M.Pharm (Pharmaceutics)

Paper I: Modern Pharmaceutical Analytical

Time: 3 Hours

Techniques

Total Marks: 75

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essays

(3x10=30)

1. Describe the instrumentation and applications of fluorescence spectrophotometer.
2. Describe the instrumentation of mass spectroscopy and its applications
3. Explain the principles and apparatus of ion exchange chromatography

Short Notes

(9x5=45)

4. Factors affecting separation of electrophoresis.
5. Bioluminescence assays.
6. X- ray powder technique.
7. MALDI.
8. Solvent choice in NMR.
9. Applications of IR spectroscopy.
10. Application of flame emission spectroscopy.
11. Paper chromatography.
12. Applications of UV-visible spectroscopy
