

Final Year B.Pharm Degree Examinations – June 2016

PHARMACEUTICAL ANALYSIS – II

(2012 scheme)

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw diagrams and equations wherever necessary.

Essay

(3x10=30)

1. Explain sample handling techniques in IR spectroscopy and instrumentation of an IR spectrometer.
2. Describe the theory, different methods for preparation of plates and applications of thin layer chromatography.
3. Explain the principle and instrumentation of flame photometry

Short notes

(14x5=70)

4. Construction and working of any one detector used in gas chromatography.
5. Counter current extraction methods
6. Any two detectors used in UV spectrophotometer
7. Principle of mass spectroscopy
8. TQM
9. Principle of radio-immunoassay
10. Bathochromic and hypsochromic shifts in UV spectroscopy
11. Applications of HPLC
12. Construction and working of standard hydrogen electrode
13. Applications of X-ray diffraction technique
14. Validation of analytical procedure
15. Mechanism of ion exchange with examples
16. Instrumentation of electrophoresis
17. Principle of fluorimetry
