

Final Year B.Pharm Degree Supplementary Examinations
December 2017

PHARMACEUTICAL ANALYSIS – II
(2012 scheme)

Time: 3 Hours

Total Marks: 100

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

Essay

(3x10=30)

1. Describe the instrumentation of NMR spectrometer in detail
2. Explain the principle involved in mass spectrometry. Describe the application of mass spectrometry in pharmacy
3. Explain the construction, working, merits and demerits of any two detectors used in gas chromatography

Short notes

(14x5=70)

4. Construction and working of any one UV detector
5. Validation of equipment
6. ICH guidelines
7. Principle and applications of radio-immunoassay
8. Theory of paper chromatography
9. Types of gels used in gel filtration
10. Construction and working of any one pumps used in HPLC
11. Dropping mercury electrode
12. Conductometric titrations
13. Handling of solid samples in IR spectroscopy
14. Principle of flame photometry
15. Applications of nephelometry and turbidimetry
16. Quenching of fluorescence
17. Beer-Lambert's law and its applications in pharmaceutical analysis
