

**Final Year B.Pharm Degree Supplementary Examinations  
November 2018**

**Pharmaceutical Analysis – II  
(2012 scheme)**

**Time: 3 Hours**

**Total Marks: 100**

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

**Essays**

**(3x10=30)**

1. Explain the instrumentation of UV spectrophotometer in detail.
2. Describe the theory and applications of paper chromatography
3. Explain the principle, types and applications of conductometric titrations

**Short notes**

**(14x5=70)**

4. Various types of vibrations observed in IR spectroscopy
5. Types of ion exchange resins
6. Advantages of HPTLC in comparison with TLC
7. Column preparation techniques in column chromatography.
8. Various methods of preparation of plates in TLC
9. Amperometric titrations
10. Theory of light scattering and applications of turbidimetry in pharmacy
11. Applications of NMR in pharmacy
12. Quality audit
13. Factors affecting fluorescence intensity.
14. Validation of analytical procedure
15. Principle and applications of electrophoresis
16. Various types of columns in gas chromatography
17. Source of radiation in atomic absorption spectrophotometer

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