

QP CODE: 402006 (old scheme)

Reg.No:

Final Year B.Pharm Degree Supplementary Examinations May 2018

**Pharmaceutical Analysis – II
(2010 scheme)**

Time: 3 Hours

Total Marks: 100

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

Essays

(3x10=30)

1. Explain the theory involved in NMR spectroscopy and mention its pharmaceutical applications
2. Explain the construction and working of UV spectrometer. Explain with examples auxochromes and chromophores.
3. What are the types of electrodes used in potentiometric titrations. Explain the construction and working of any two electrodes used in potentiometry

Short notes

(14x5=70)

4. Applications of amperometric titrations
5. Applications of electrophoresis
6. Types of conductometric titrations
7. Quality audit
8. Qualitative and quantitative applications of TLC
9. Principle behind X-Ray diffraction
10. Application of thermal analysis
11. Working principle of the instrument used in nephelometry
12. Theory of polarographic analysis
13. Theory behind fluorimetry
14. Principle involved in gel filtration
15. Various carrier gases used in gas chromatography
16. Preparation of columns in column chromatography
17. Principle involved in mass spectroscopy
