QP CODE: 412006 **Reg. No: ……..**

Final Year B.Pharm Degree Examinations May 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 principle of separation and methods of detection in gas chromatography.
2. What are various radiation sources used in infrared Spectrophotometer. Explain sampling techniques in I. R. spectroscopy
3. Discuss the types of electrodes used in potentiometric titrations. Mention the applications of potentiometric titrations.

Short notes **(14x5=70)**

4. Methods of preparing TLC plates.
5. Different techniques employed in paper chromatography.
6. Theory and applications of counter current extraction.
7. With a neat labelled diagram Explain different parts of High Performance Liquid Chromatography
8. Principle of flame photometry.
9. Good laboratory practices.
10. Applications of thermal analysis in pharmaceutical research.
11. Construction and working of dropping mercury electrode.
12. Explain the principle and application of Radioimmuno assay.
13. Applications of fluorimetry.
14. Basic principle of proton nuclear magnetic resonance spectroscopy.
15. Applications of atomic absorption spectroscopy.
16. ICH guidelines.
17. Explain any two parameters of analytical method validation.

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