

QP CODE: 412006

Reg. No:

Final Year B.Pharm Degree Supplementary Examinations January 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. What are the various types of pumps used in high performance liquid chromatography
2. Explain the theory and instrumentation of fluorimetry in detail.
3. List and explain the parameters of good laboratory practice guidelines of WHO.

Short notes

(14x5=70)

4. Explain dry packing and wet packing of chromatography columns.
5. "A term – eddy diffusion" of van Deemter equation.
6. What is the importance of chamber saturation in TLC and how it is accomplished.
7. What are the applications of ion exchange chromatography.
8. Explain the working of loop injectors in HPLC.
9. Explain the construction and working of calomel electrode.
10. List the pharmaceutical applications of thermal analysis.
11. Polyacrilamide gel electrophoresis.
12. Explain the working of photomultiplier tube.
13. What is a chemical shift. How it is helpful in elucidating the structure of a new chemical entity.
14. Explain various ionization techniques in Mass spectroscopy.
15. Applications of powder X ray diffraction technique.
16. Enumerate the advantages and disadvantages of radioimmunoassay in analysis of hormones.
17. Good documentary practices.
