

QP Code: 3292

Reg No:

M Pharm Part I Degree Examinations – June 2012
(Pharmaceutical Analysis)

Paper II - Advanced Pharmaceutical Analysis

Time: 3 hrs

Maximum Marks: 100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essays:

(2x20 =40)

1. Explain the principle of validation and calibration of HPLC. Explain the quality control tests for liquid orals and parenterals.
2. Describe the quality control of radio pharmaceuticals and various radio chemical methods of analysis.

Short Essays:

(6x10=60)

3. Explain the uses of flame photometer, spectrophotometer and AAS in analysis of drugs and pharmaceuticals with suitable examples.
4. Describe the use of MBTH and PDAB in pharmaceutical analysis with suitable examples.
5. Explain how uv-visible spectrophotometer and spectrophotometer are calibrated and validated to carry out pharmaceutical analysis.
6. Explain how raw materials used in manufacturing of cosmetics are analyzed. Describe the analysis of dental products.
7. Describe immune-affinity and radioimmunoassay techniques used in pharmaceutical analysis with suitable examples.
8. Explain in brief various microbiological tests carried out for vitamins and antibiotics.
