

First Year M.Pharm Degree Examinations - February 2013

(2011 Admn- New Scheme)

(Pharmaceutical Analysis)

Paper I- Advanced Pharmaceutical Analysis

Time: 3 hrs

Maximum Marks: 100

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

Essays:

(2x20 =40)

1. Discuss the quality control tests to be carried out for • Capsule • Ointment. Explain the principle and procedure involved in the analysis of • Thiamine • Sulfadiazine
2. Explain the procedure involved in the microbiological assay of vitamins. Explain the principles and applications of RIA and ELISA

Short Essays:

(6x10=60)

3. Discuss the principles and procedure involved in the estimation of any drug using the following reagents • PDAB • Falin Ciocalteau
4. Explain how vaccines and sera are analyzed.
5. Explain in detail the calibration of the following instruments • UV-visible spectrophotometer • HPTLC
6. Explain how the quantitative determination of emulsifiers and stabilizers carried out in pharmaceutical formulations
7. Explain • LAL test • Quality control of radiopharmaceuticals
8. Outline the procedure involved in the determination of : • aldehyde • ester
