

Subject Code: PAQA31A/[R13]

M. Pharm I Semester Regular/ Supplementary Examinations, April, 2015

ADVANCED PHARMACEUTICAL ANALYSIS-I

(Common to PA&QA, PA and PA&QC)

Time: 3 Hours

Max Marks: 60

Answer any FIVE questions  
All questions carry EQUAL marks

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1. Explain in detail about different Parameters used in analytical validation.
2. Explain the principle, transitions, shifts and applications of UV Spectroscopy.
3. Write a note on detectors used in IR Spectroscopy with neat labeled diagrams.
4. Write a short note on
  - a. Thermo gravimetric analysis (TGA)
  - b. Differential thermal analysis (DTA).
5. Write about the principle, instrumentation and applications of Flame emission Spectroscopy.
6. Explain about following with examples
  - a. Non aqueous titrations
  - b. Indicators used in Redox titrations.
7. Explain the principle involved in
  - a. Direct titration and back titration
  - b. Displacement titrations
8. Write a short note on principles and applications of
  - a. Ceric ammonium sulphate titration
  - b. Potassium Iodate titration.

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