

Code: 9R01402

R09

B.Pharm II Year II Semester (R09) Supplementary Examinations December 2016

**PHARMACEUTICAL ANALYSIS - I**

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions  
All questions carry equal marks

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- 1 Define volumetric analysis. Explain the following:
  - (a) Accuracy.
  - (b) Standard deviation.
  - (c) Rejection of data.
- 2 Write the principle and types of indicators used in precipitation titration. Explain Volhard method with a suitable example.
- 3 Define non-aqueous titrations with a suitable example and write types of non-aqueous solvents.
- 4 Write the principle, apparatus and applications of conductometric titrations.
- 5 Write the procedure and applications of amperometric titrations.
- 6 Write the instrumentation and applications of flame photometry.
- 7 Write shortly about the following:
  - (a) Adsorbents used in column chromatography.
  - (b) Techniques used for the preparation of TLC plates.
  - (c) Principle involved in paper chromatography.
- 8 Write the principle and instrumentation of nephelometry and turbidimetry.

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