

B.Pharm II Year II Semester (R09) Supplementary Examinations December 2017

**PHARMACEUTICAL ANALYSIS – I**

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions  
All questions carry equal marks

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- 1 (a) Explain the concept of acid base titrations.  
(b) Write a note on redox indicators with examples.  
(c) What is the difference between iodometri titration and iodimetry titration and explain the basic principle involved in the iodimetric titrations with examples.
- 2 (a) Write in detail about different types of errors.  
(b) How will you calibrate the equipments used for volumetric titrations?
- 3 (a) Write the principle, theory, endpoint determination of complexometric titrations.  
(b) Explain about the factors affecting the end point determination in complexometric titrations.
- 4 (a) Explain the basic principle involved in potentiometric titrations.  
(b) Explain the various types of titrations in conductometric titration.
- 5 Explain the basic principle, instrumentation and application of flame emission photometry.
- 6 Write a note on basic principle involved in paper chromatography and explain about the different types of paper chromatographic techniques.
- 7 (a) What is the basic principle involved in the determination of moisture content by using Karl-Fisher reagent and how will you prepare the Karl-Fisher reagent.  
(b) Write the working and construction of polarimeter.
- 8 (a) Write a note on dropping mercury electrodes.  
(b) What are the different types of current in polarography?  
(c) Explain about different types amperometric titrations.

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