

Code No: B2202/R10

**R10**

**II B.Pharmacy II Semester Supplementary Examinations, January 2014  
PHARMACEUTICAL ANALYSIS-I**

**Time: 3 hours**

**Max Marks: 75**

**Answer any FIVE Questions  
All Questions carry equal marks**

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1. (a) Define Precision, Accuracy and Significant figures with examples.  
(b) Explain the calibration of analytical equipment. Used in volumetric analysis.
2. (a) Discuss with examples about Acidimetry. pH and Buffers employed in Neutralisation titrations.  
(b) Write an account of indicators used in Redox and Precipitation Titrations.
3. (a) Write a note on different titrants used in non-aqueous titrations.  
(b) Write the advantages of non-aqueous titrations.
4. What are the methods of determining end point in Precipitation titrations and explain in detail Mohrs method and Volhards method.
5. Explain principle and instrumentation of polarography with a neat labeled diagram.
6. (a) Write the Principle and applications of potentiometry.  
(b) Explain measurement of Concentration/PH by potentiometry.
7. Write a note on principle of fluorimetry and explain quenching phenomenon in detail.
8. Discuss in detail the construction working of Abbe Refractometer with neat labeled diagram.

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