

QP CODE:212006 (NEW SCHEME)

Reg.No:

**Second Year B.Pharm Degree Supplementary Examinations
December 2017****PHARMACEUTICAL ANALYSIS****(2012 Scheme)****Time: 3 Hours****Total Marks: 100**

- Answer all Questions.
- Write equations wherever necessary.

Essay**(3x10=30)**

1. What is cerimetry. Explain the standardization methods of secondary standards used in redox titrations
2. Explain various steps involved in gravimetric analysis with suitable examples
3. What is an error and mention its types and methods to control them

Short notes**(14x5=70)**

4. Explain Karl Fischer method
5. Relation between importance of buffer and stability of complexes
6. Calcium assay by gravimetry
7. Explain acid-base concepts and law of mass action
8. Explain the theoretical basis, types of solvents and limitations of non-aqueous titrations
9. Theory of indicators in neutralization titrations
10. How do drugs containing primary aromatic amines assayed
11. Explain the assay of oxygen as per IP
12. Enumerate different techniques employed in analysis of drugs
13. Preparation and standardization method for 0.1M EDTA
14. Explain adsorption indicator method in precipitation titrations
15. How does mixture of metals assayed
16. Differentiate pH and pM indicators
17. Common ion effect and ionic product of water
