

Second Year B.Pharm Degree Supplementary Examinations July 2018**Pharmaceutical Analysis
(2010 Scheme)****Time: 3 Hours****Total Marks: 100**

- Answer all Questions.
- Write equations wherever necessary.

Essay**(3x10=30)**

1. Explain the different types of precipitation titrations by giving suitable examples.
2. Elaborate the theory of redox titration with examples. Add a note on redox indicators.
3. Explain briefly about the following:
 - Diazotisation titration
 - pM indicators

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

4. Explain briefly about types of errors.
5. Explain briefly about acid - base concept.
6. Define and distinguish iodometry and iodimetry with examples.
7. Explain briefly about various steps involved in gravimetric analysis.
8. How will you estimate nitrogen by Kjeldhal method.
9. Explain the neutralization curve of strong acid with a strong base.
10. Measurement of electrode potential.
11. Principle and procedure involved in the assay of calcium gluconate
12. Explain Ostwald theory of indicators
13. Solvents used in non-aqueous titration
14. Explain the principle involved in Karl-Fischer titration
15. Explain the preparation and standardization of 0.1M perchloric acid.
16. Explain the methods of expressing concentrations.
17. Define briefly about primary standard and secondary standard by giving suitable examples.
