



B.PHARM SEMESTER-I, INTERNAL EXAM-WINTER 2017

Subject code: BP102TP

Date: 17/11/2017

Sub: PHARMACEUTICAL ANALYSIS

Total Marks: 40 Marks

Time: 10:30 AM to 12:00 PM

En No.:

• **ATTEMPT ANY EIGHT QUESTIONS**

- Q.1** Give some account on type of errors and methods of their minimization. (5)
- Q.2** Enlist the end point detection methods in precipitation titration. Explain Fajan's method in detail (5)
- Q.3** Discuss theory of Acid-Base indicator. (5)
- Q.4** What is complexometric titration? Give different types of complexometric titration. (5)
- Q.5** Explain following terminology I. Accuracy II. Buffer III. Precision IV. Weak acid & weak base with example V. Common Ion Effect (5)
- Q.6** What is non-aqueous titration? Explain types of non-aqueous solvents. (5)
- Q.7** Describe diazotization nitrite titration. (5)
- Q.8** Explain co-precipitation and post-precipitation. (5)
- Q.9** 50 ml of 0.1M acetic acid is titrated with 0.1 M sodium hydroxide. Calculate the pH of solution when following volume of NaOH is added, 1) 0 ml, 2) 10 ml, 3) 25 ml, 4) 50 ml. K_a of acetic acid = 1.8×10^{-5} (5)
- Q.10** The K_{sp} of AgCl is 1.0×10^{-10} . Calculate molar solubility of AgCl. (5)

ALL THE BEST