**B. Pharm 1st Semester Examination**

**Subject- Pharmaceutical Analysis-I (BPI02T)**

**Full Marks- 75 Time – 3 hours**

**Answer all questions:**

**1. Answer all. (10x2=20)**

**(a) Define the term Accuracy and Precision.**

**(b) What is acid-base titration and classify them.**

**(c) Write the advantage of non-aqueous titration.**

**(d) Name the indicators used in acidimetry and alkalimetry in NAT?**

**(e) What is precipitation titration?**

**(f) What are adsorption indicators? Give example.**

**(g) What is chelate?**

**(h) Define masking and demasking agents?**

**(i) What is Gravimetric titration.**

**(j) Define cell constant.**

**2. Answer any two questions: (2x10=20)**

**(i) What are the different methods of conductivity measurements? Mention the various factors affecting those.**

**(ii) Explain about the types of electrodes used in the potentiometry. Write the applications of potentiometry.**

**(iii) Explain the principle and application of Bromatometry titration.**

**3. Answer any seven questions: (7x5=35)**

**(i)Define Iodimetry and Iodometry titration.**

**(ii) Write the advantages of dropping mercury electrode.**

**(iii) Define indicator electrode and classify with examples.**

**(iv) Mention various types of Diazotization titration? Mention the applications of Diazotization titration.**

**(v) Differentiate co-precipitation and post precipitation.**

**(vi) What is Metal ion indicator? Give examples.**

**(vii) Explain the advantages and disadvantages of precipitation titrations.**

**(viii) Explain the types of Solent used in NAT.**

**(ix) Give the advantages and disadvantages of Lewis theory.**