

# **2012 Scheme**

**QP CODE: 212006**

**Reg. No: .....**

## **Second Year B.Pharm Degree Supplementary Examinations January 2025**

### **Pharmaceutical Analysis**

**Time: 3 Hours**

**Total Marks: 100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Write equations wherever necessary.*

#### **Essays**

**(3x10=30)**

1. Write the theory and principles of precipitation titrations
2. Write types of solvents, limitations and applications of Non aqueous titrations
3. How does argentometry and mercurimetric titrations carried out

#### **Short notes**

**(14x5=70)**

4. Titration curves of complexometry
5. Give on redox titration and their indicators
6. Determination of barium as barium sulphate
7. Titration of polyprotic acids and their salts
8. Karl Fischer method in IP
9. Ionic product of water
10. Volhard's titration method
11. Oxygen flask combustion and its application
12. Write on back titration.
13. What are primary and secondary standards give their significance
14. Expressions of concentrations of solution
15. Define precision, accuracy, mean, standard deviation and significant figures
16. Principle and indicators in diazotisation titration
17. Acid base titration concept

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