

# **2012 Scheme**

**QP CODE: 212006**

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

## **Second Year B.Pharm Degree Supplementary Examinations September 2021**

### **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. Explain the steps involved in gravimetric analysis
2. Give the importance of precision and accuracy in quality control
3. Preparation and standardization of a titrant solution for weak acid and weak base by non-aqueous titration.

#### **Short notes**

**(14x5=70)**

4. Detection of moisture by Karl Fischer method
5. Gasometry and its application
6. Argentometry
7. Theory of complexation and chelation
8. Techniques of diazotization titration
9. Methods of expressing concentrations
10. Explain secondary standards with examples
11. Mercurimetric titrations
12. Assay of polyprotic systems
13. Explain Nernst equation and theory of redox titration
14. Principles of precipitation titrations
15. Iodimetry
16. Explain neutralization curves
17. Importance of quality control

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