QP Code: 122006 **Reg. No……**

First Semester B. Pharm Degree Supplementary Examinations
June 2022

Pharmaceutical Analysis - I
(2017 Scheme)

Time: 3 Hours **Max. Marks: 75**

- ***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***
- ***Draw table/diagrams/flow charts wherever necessary***

Essay **(2x10=20)**

1. What are complexometric titrations. With examples describe types of complexometric titrations
2. Write principle involved in working of glass electrode. Describe typical methods to determine end points in potentiometric titrations.

Short Notes **(7x5=35)**

3. Explain the principle involved in determination of sodium chloride by precipitation titration method.
4. Write method of preparation and standardization of 0.1M sodium thiosulphate.
5. Explain types of errors citing appropriate examples in pharmaceutical analysis.
6. Explain the principle involved in conductometric titration of a strong acid with weak base.
7. What is a non-aqueous titration. Explain the principle involved in non-aqueous titration of ephedrine hydrochloride.
8. Describe briefly theory of acid base indicators.
9. With example, write principle involved in diazotization titration.

Answer Briefly **(10x2=20)**

10. Explain secondary standard. Give examples.
11. Define precision.
12. Define molality.
13. What is a protic solvent. Give examples.
14. Explain Ilkovic equation and explain the terms involved in it.
15. Explain post precipitation.
16. Define conductance.
17. What are significant figures.
18. Explain the advantages of cerimetry.
19. Example of acidimetric titration.

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