

QP Code: 122006

Reg. No.....

**First Semester B. Pharm Degree Supplementary Examinations
August 2024**

**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. Construction and working principle of Dropping Mercury Electrode
2. Define conductometry and explain about various conductometric titrations

Short Notes

(7x5=35)

3. Different techniques of analysis
4. Principles involved in the complexometric titrations
5. Define and explain the concept of significant figures
6. What is Ilkovic equation also write its significance
7. Describe the constructions and working principles of standard Hydrogen Electrode
8. Write the steps involved in the gravimetry analysis
9. Explain Mohr's method in detail

Answer Briefly

(10x2=20)

10. Define diffusion current
11. Define oxidizing agents
12. Conductivity cell
13. Types of non aqueous solvents
14. Define half wave potential
15. What is benzenoid theory
16. What is diazotization titration
17. What are some sources of errors in titration
18. Define pH
19. What is Demasking reagents
