

QP Code: 122006

Reg. No.....

**First Semester B.Pharm Degree Regular/Supplementary Examinations
October 2021**

**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. Write on principle, electrodes and the applications of polarography
2. Explain acidimetry and alkalimetry titration by Non-aqueous methods

Short Notes

(7x5=35)

3. Applications of potentiometric titrations
4. Assay method of metal ions.
5. Preparation and standardisation of sodium thiosulphate
6. Volhard's method with suitable example
7. Explain indicator electrodes
8. Explain gravimetric method of estimation of barium sulphate
9. With example write on diazotization titration.

Answer Briefly

(10x2=20)

10. Source of errors
11. Example of redox titration
12. Secondary standards
13. Explain Co-precipitation
14. Application of conductometric titration
15. Electrochemical cell
16. Nernst equation
17. Masking agents
18. Conductivity cell
19. Significant figures
