

QP Code: 122006

Reg. No.....

**First Semester B.Pharm Degree Supplementary Examinations  
February 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. Explain various sources and minimization of error in pharmaceutical analysis
2. With suitable examples explain the complexometric titration of pharmaceuticals.

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

3. Theory of acid-base indicators
4. Give method of preparation and standardization of ceric ammonium sulphate
5. Theory and solvents used in non-aqueous titration
6. Explain types of precipitation titrations
7. Theory and curves of conductometric titrations
8. Briefly describe current voltage curve of polarographic method
9. End point detection and measurement of potential in potentiometric titration.

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

10. Polarographic maxima
11. Need of demasking agent
12. Maxima suppressors
13. Metal ion indicators
14. Iodometric titration
15. Reference electrodes
16. Use of dichrometry
17. Diazotisation titration
18. Qualities of primary standards
19. Gravimetry

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