

II B. Pharmacy II Semester Supplementary Examinations, November - 2020
PHARMACEUTICAL ANALYSIS-I

Time: 3 hours

Max. Marks: 75

Answer any **FIVE** Questions
All Questions carry **Equal** Marks

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1. a) Discuss in detail on concept of significant figures and errors pharmaceutical analysis. (10M)  
b) Write a note on calibration of a pipette. (5M)
2. a) Write a note on factors influencing selection of an indicator. (6M)  
b) What are buffers? Give examples. Write a note on their importance in pharmaceutical analysis. (9M)
3. a) Explain the principle and chemistry involved in the iodometry analysis. Write its applications. (9M)  
b) Write the principle, chemistry and procedure involved in the assay of ascorbic acid. (6M)
4. What is a non-aqueous titration? Write in detail on the reagents and solvents used in non-aqueous titrations. (15M)
5. Differentiate reference and indicator electrodes. Write in detail on ion-selective and membrane electrodes. (15M)
6. With a neat sketch explain the working principle, instrumentation and applications of conductometry. (15M)
7. (a) Write in detail on factors effecting fluorescence. (6M)  
(b) With a neat sketch explain the working of fluorimeter instrument. (9M)
8. Write in detail on refractometry. (15M)