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**School of Medical and Allied Sciences**

Bachelor of Pharmacy

Mid Term Examination - Nov 2023

Duration : 90 Minutes

Max Marks : 30

**Sem I - BP102T - Pharmaceutical Analysis I**General Instructions*Answer to the specific question asked**Draw neat, labelled diagrams wherever necessary**Approved data hand books are allowed subject to verification by the Invigilator*

- 1) Define pharmaceutical analysis. K1 (2)
- 2) Explain accuracy and precision in the context of analytical chemistry. K2 (2)
- 3) Summarize the significance of the end-point in non-aqueous titrations. K2 (2)
- 4) What are the two application for qualitative analysis? K1 (2)
- 5) Illustrate the way in which concentration of the analyte affect the shape of a neutralization curve. K2 (2)
- 6) Develop strategies to minimize systematic and random errors in analytical measurements. K3 (5)
- 7) Distinguish between molarity and normality in solution concentration. K4 (5)

**OR**

- Examine the theory behind the titration of a very weak acid with a strong base. K4 (5)
- 8) Explain the preparation and standardization process for a molar solution of potassium permanganate. Provide details about the titration procedure, calculations, and the relevance of primary standards. K5 (10)

**OR**

- Justify the use of limit tests in the field of pharmacy also explain the method of limit test of chloride. K5 (10)