



Paper id: 252106

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Subject Code: BP102T

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BPHARM
(SEM I) THEORY EXAMINATION 2024-25
PHARMACEUTICAL ANALYSIS – THEORY

TIME: 3 HRS**M.MARKS: 75**

Note: 1. Attempt all Sections. If you require any missing data, then choose suitably.

SECTION A**1. Attempt all questions in brief.****10 x 2 = 20**

a.	Define the term normality.
b.	Compare Accuracy and Precision.
c.	Discuss aqueous and non-aqueous titration.
d.	Describe the standard and indicator electrode.
e.	Define pH.
f.	Describe the limit test.
g.	Compare masking and demasking agents.
h.	Illustrate an oxidizing and a reducing agent.
i.	Compare Acid and Base according to the base theory.
j.	Define and illustrate a metal ion indicator.

SECTION B**2. Attempt any two parts of the following:****2 x 10 = 20**

a.	Analyze the principle, instrumentation, and applications of conductometry.
b.	Design Neutralization Curve between a weak acid and a strong base.
c.	Construct a well-labeled electrochemical cell. Analyze the working of the standard hydrogen electrode and the standard calomel electrode.

SECTION C**3. Attempt any five parts of the following:****7 x 5 = 35**

a.	Asses the sources of impurities in medicinal agents.
b.	Illustrate the steps involved in Mohr's and Volhard's method.
c.	Analyze the limit test of chloride in detail
d.	Explain the principle and justify the various steps involved in gravimetric analysis.
e.	Compare various types of redox titrations. Discuss the principle of Dichrometry.
f.	Explain the principle, procedure, and pharmaceutical significance of Bromometry titration. Provide suitable examples of its application.
g.	Demonstrate different types of errors and methods for minimizing them