PAPER ID-311360

Roll No:

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

TIME: 3 HRS   M.MARKS: 75

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

SECTION A

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

a.	Define secondary standard with example.
b.	Enlist the various sources of errors.
c.	What do you mean by acid according to Bronsted Lowry theory
d.	Recall the name of weak acid.
e.	What is masking agents and demasking agents?
f.	Define the Ilkovic equation
g.	What do you mean by co-precipitation?
h.	Define reducing agents with example.
i.	How EDTA work in complexometric titration?
j.	Classify the electrodes in potentiometric titration.

SECTION B

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

a.	Discuss the preparation and standardization method of sodium hydroxide and potassium permanganate.
b.	Explain Mohr's method in precipitation titration. Explain about post precipitation.
c.	Demonstrate the Iodimetry and Iodometry.

SECTION C

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

a.	Discuss the various sources of impurities in medicinal agents
b.	Explain the theories of acid base indicators.
c.	Describe the Modified Volhard'sin precipitation titration.
d.	Explain the standardization of $KMnO_4$.
e.	Discuss the estimation of Sodium benzoate in Non-aqueous titration.
f.	Demonstrate construction and working of standard hydrogen and glass electrode.
g.	Illustrate the principles, methods and application of diazotization titration.