PAPER ID-411405

Subject Code: BP102T

Roll No: | | | | | | | | | | | | | |

BPHARM
(SEM I) THEORY EXAMINATION 2021-22
PHARMACEUTICAL ANALYSIS I – THEORY

Time: 3 Hours ***Total 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.	Describe the term normality.
b.	Differentiate between Accuracy and Precision.
c.	Discuss the role of indicators in titrations.
d.	Explain acid and base as per Arrhenius theory.
e.	Define limit test.
f.	Define principle of gravimetry analysis.
g.	Explore the term Dichrometry.
h.	Write principle of Polarography.
i.	What do you mean by electrochemical methods of analysis?
j.	Define metal ion indicator with suitable example.

SECTION B

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

a.	Describe various types of errors and methods for minimizing them.
b.	Explain the significance of non-aqueous titrations. Differentiate between "Levelling solvents" and "Differentiating solvents" with suitable example.
c.	Discuss the detailed account of Mohr's method and Volhard's method.

SECTION C

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

a.	Outline the various techniques of analysis used in pharmaceuticals.
b.	Discuss various neutralization curve of acid base titrations.
c.	Differentiate co-precipitation and post precipitation with suitable example.
d.	Explain Iodometry and Iodimetry.
e.	Discuss estimation of Barium sulphate.
f.	Illustrate the principle, instrumentation and applications of conductometry.
g.	Draw the construction of electrochemical cell. Describe the working of standard hydrogen electrode and standard calomel electrode.

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