Year and Program F.Y.B.Pharm	School of Pharmaceutical Sciences	Department:Pharmacy
Course Code:BP102T	CourseTitle:Pharmaceutical Analysis-I	Semester –I
Date: 24 MAY 2024 Day: friday Time: 10.30am to 1-30 PM	Examination: End Semester	Max Marks:75

Instructions: 1) All questions arecompulsory.
2) Drawaneatlabeleddiagramifnecessary.

		Mark's	Bloom's Level	CLO
Q.1	**Multiple choice Questions (10X2M)**	**20**		
a)	Define Molarity and Normality.	2	1	1
b)	What is meant by standard solution? Give one example of primary standard.	2	1	2
c)	What is relative error?	2	1	1
d)	Explain complexometric titrations. Give name of any one complexing agent.	2	1	2
e)	What isArgentometric titration? Name any one method of argentometric titration.	2	1	1
f)	Name any two reference electrodes.	2	1	3
g)	What happens during oxidation?	2	1	3
h)	Define the terms titration and titrant.	2	1	1
i)	What do you mean by Arrhenius acid and Arrhenius base?	2	1	2
j)	Give any two properties of amphiprotic solvent.	2	1	2

		20	Bloom's Level	CLO
Q.2	**Long Answers (Answer 2 out of 3)**			
a)	Illustrate various types of conductometric titrations with their titration curves.	10	2	3
b)	Explain different methods of expressing concentration. How will you prepare 250 ml 0.1 N oxalic acid solution?	10	2	2
c)	What is Neutralisation curve? Give its significance? Explain the types of Neutralisation curves in acid-base titration.	10	2	2

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Q.3	Short Answers (Answer 7 out of 9)	35	Bloom's Level	CLO
a)	Write a note on Pharmacopoeias.	05	2	1
b)	Write the principle and any one application of Bromatometry and write a note on assay of Isoniazid.	05	2	2
c)	Illustrate masking and demasking agents with examples.	05	3	2
d)	Explain Volhard's method and its pharmaceutical application.	05	2	2
e)	Give the preparation and standardization of 0.1 M Sodium thiosulphate.	05	1	2
f)	What is glass electrode? Give its construction along with diagram and working in brief.	05	2	4
g)	Define Precision and accuracy. Explain both the terms with suitable examples.	05	1	1
h)	What are different types of complexometric titration? Define metal ion indicator.	05	2	2
i)	Discuss the gravimetric estimation of Barium sulphate.	05	1	2

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