

# SHRI RAMSWAROOP MEMORIAL UNIVERSITY

## End Semester Examination (2021-22)-Odd Semester

<b>B. Pharma - I Year (I Sem)</b>											
Course Name: Pharmaceutical Analysis-I									Code: BP102T		
Time: 03 Hours									Max Marks: 75		
<b>University Roll No.</b>											
<b>(To be filled by the student)</b>											

**Note: Please read instructions carefully:**

- a) The question paper has 03 sections and it is compulsory to attempt all sections.  
 b) All questions of Section A are compulsory; questions in Section B and C contain choice.

<b>Section A: Multiple Choice or Objective Type Questions</b>		<b>BL</b>	<b>CLO</b>	<b>Marks (20)</b>
<b>Attempt all the questions.</b>				
1.	Basicity of organic acids can be determined by a) Conductometry b) Refractometry c) Non-aqueous titrations d) Complexometry	BL2	CLO2	02
2.	Potentiometer is used in the determination of _____ a) Ni b) Thorium c) Strontium d) Uranium	BL1	CLO2	02
3.	In a Redox reaction- a) Oxidation occurs b) Reduction occurs c) Neutralization occurs d) Both A and B	BL1	CLO2	02
4.	..... indicator is used for Strong acid strong base titrations a) Thymol blue b) Bromothymol blue c) Methyl violet d) Methyl orange	BL1	CLO2	02
5.	A pH meter is an example of... a) A fuel cells b) Reference electrode c) Ion selective electrode d) Electrolytic cell	BL2	CLO2	02
6.	Which is not application of Conductometry? a) Determine of moisture contain b) Purity of water c) Ionic product of water d) Conductometric & precipitation titration	BL4	CLO2	02
7.	Supplement to the first edition of IP was published in .... a) 1960 b) 1975 c) 1965 d) 1968	BL4	CLO1	02
8.	..... indicator is used for pH 8-9 a) Thymol blue b) Bromothymol blue c) Methyl violet d) Phenolphthalein	BL4	CLO2	02

9.	Reduction involves..... a) Loss of electrons b) Addition of oxygen c) Gain in electrons d) Loss of hydrogen	BL4	CLO2	02
10	Formation of a precipitate is necessary for..... a) Polarography b) Voltammetry c) Electrogravimetry d) Conductometry	BL1	CLO2	02
<b>Section B: Short Answer Type Questions</b> <b>Attempt any 07 out of 09 questions.</b>		<b>BL</b>	<b>CLO</b>	<b>Marks (35)</b>
1.	Write a note on Determinate errors and Indeterminate error.	BL1	CLO1	05
2.	Give theory of Acid - Base indicator.	BL1	CLO2	05
3.	Write a note on Acidimetry titration.	BL1	CLO2	05
4.	Write in brief on Metal-ion indicators.	BL1	CLO2	05
5.	Explain the principle, procedure and applications of Mohr's method.	BL5	CLO2	05
6.	Write in detail on Iodimetry.	BL1	CLO2	05
7.	Explain the construction and working of Calomel electrode.	BL5	CLO2	05
8.	What is Ilkovic equation? Explain its significance.	BL2	CLO2	05
9.	Discuss the methods used for Expression of concentration.	BL2	CLO1	05
<b>Section C: Long Answer Type Questions</b> <b>Attempt any 02 out of 03 questions.</b>		<b>BL</b>	<b>CLO</b>	<b>Marks (20)</b>
1.	What are the types of Redox indicator & give the application of Redox titration?	BL3	CLO2	10
2.	Explain in detail the limit test of Sulphate & Chloride.	BL5	CLO1	10
3.	Write principle and applications of Diazotization titrations.	BL1	CLO2	10

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