College Name: …….
B. Pharm First Year
Session: 2022-23
Assignment (100% Syllabus Covered)

S. No.	ENROLLMENT NO.	STUDENT NAME	PHARMACEUTICAL ANALYSIS - I
1.			Different techniques of analysis
2.			Methods of expressing concentration
3.			Primary and secondary standards.
4.			Preparation and standardization of various molar and normal solutions - Oxalic acid
5.			Preparation and standardization of various molar and normal solutions - Sodium hydroxide
6.			Preparation and standardization of various molar and normal solutions - Hydrochloric acid
7.			Preparation and standardization of various molar and normal solutions - Sodium thiosulphate
8.			Preparation and standardization of various molar and normal solutions - Sulphuric acid
9.			Preparation and standardization of various molar and normal solutions - Potassium permanganate
10.			Preparation and standardization of various molar and normal solutions - Ceric ammonium sulphate.
11.			Sources of errors, and types of errors
12.			Methods of minimizing errors
13.			Significant figures.
14.			Pharmacopoeia
15.			Sources of impurities in medicinal agents
16.			limit tests
17.			Theories of acid base indicators
18.			Acid base titrations
19.			Theory involved in titrations of strong, weak, and very weak acids and bases
20.			Neutralization curves
21.			Acidimetry and alkalimetry titration
22.			Estimation of Sodium benzoate and Ephedrine HCl.
23.			Precipitation titrations
24.			Modified Volhard's method used in Precipitation titration
25.			Complexometric titration
26.			Estimation of Magnesium sulphate by Complexometric titration
27.			Estimation of calcium gluconate by Complexometric titration

28.			Principle and steps involved in gravimetric analysis
29.			Co-precipitation and post precipitation
30.			Basic Principles, methods and application of diazotisation titration
31.			Redox titrations
32.			Types of redox titrations (Principles and applications)
33.			Cerimetry
34.			Iodimetry
35.			Iodometry
36.			Bromatometry
37.			Dichrometry
38.			Titration with potassium iodate
39.			Electrochemical methods of analysis
40.			Conductometry
41.			Potentiometry
42.			Polarography
43.			Different techniques of analysis
44.			Methods of expressing concentration
45.			Primary and secondary standards.
46.			Preparation and standardization of various molar and normal solutions - Oxalic acid
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48.			Preparation and standardization of various molar and normal solutions - Hydrochloric acid
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52.			Preparation and standardization of various molar and normal solutions - Ceric ammonium sulphate.
53.			Sources of errors, and types of errors
54.			Methods of minimizing errors
55.			Significant figures.
56.			Pharmacopoeia
57.			Sources of impurities in medicinal agents

58.			limit tests
59.			Theories of acid base indicators
60.			Acid base titrations