

Q-4	Attempt all questions	(14)
a)	Describe the hydrolysis of salt of a strong acid and weak base.	7
b)	What is buffer, derive Henderson-hasselblach equation.	7
Q-5	Attempt all questions	(14)
a)	Write a note on volhard's method with example of titration of atleast one salt.	7
b)	Differentiate Iodometry and Iodimetry. Write in short about fajan's method.	7
Q-6	Attempt all questions	(14)
a)	Describe the types of solvents involved in non-aqueous titration along with suitable examples. Write the advantages of non aqueous titration.	7
b)	Write a note on leveling and differentiating solvents. Write the disadvantage of non-aqueous titration.	7
Q-7	Attempt all questions	(14)
a)	Write a note on complexometric titration involving EDTA.	7
b)	Differentiate masking and demasking agents. Write the types of complexometric titration with the examples of indicators.	7
Q-8	Attempt all questions	(14)
a)	Discuss the steps involved in gravimetric analysis	7
b)	Differentiate co-precipitation and post-precipitation. Mention von-Weimar equation.	7

