## SARASWATI DEVI INTERNATIONAL SCHOOL WEEKLY TEST CLASS XII

## **CHEMISTRY**

## FM-20

1.Derive Ostwald dilution law.	(3)
2.The dissociation constant of acetic acid is 1.8 (H+).Calculate the same in its 0.05 M solution	x 10-5.Calculate (3)
3. The value of Kw at a certain temperature is the pH of water at this temperature	9.55 x10-14.Calculate (3)
4.15 ml of 0.05 M AgNO3 is mixed with 45 ml of K2CrO4. Predict whether precipitation will take Ag2CrO4 is 1.9 x 10 -12.	
5.Group 4 cations precipitate in alkaline mediu group 2 cations precipitate in acid medium. Wl	•
6.Pb2+ ions are detected in group1 and group	2 both. Why? <b>(3)</b>
7.Give two uses of buffer solution.	(2)