

I Semester: AE C Course Code	Category	Hours / Week			Credits	Maximum Marks		
Course Coue		L	1		Creans	CIA SEE Total		
AHS103	Foundation			r	2 2	30	SEE 70	100al
Contact Classes:	Nil Tutorial Classes: Nil	Practical Classes: 45			Total Classes: 45			
IV. To gain the kn COURSE LEAR The students sho 1. Preparation of A 2. Estimation of h 3. Conductometric 4. Potentiometric 5. Conductometric 6. Potentiometric 7. Determination 8. Determination 9. Estimation of d 10. Preparation of a 11. Determination	Aspirin. aardness of water by EDTA metho c titration of strong acid Vs strong titration of strong acid Vs strong c titration of mixture of acid Vs s titration of weak acid Vs strong b of surface tension of a given liqui of viscosity of a given liquid by u lissolved oxygen in water.	ming dev od. g base. base. trong ba base. id using using Ost	se. Stalagm twald's v	ometer.	and methodo	ology.		
			TELCI					
	LIST OF EXPE							
	PARATIONS OF ORGANIC			DS				
Preparation of Aspir	PARATIONS OF ORGANIC			DS				
Preparation of Aspir Week-2 VOL	PARATIONS OF ORGANIC in UMETRIC ANALYSIS			DS				
Preparation of Aspir Week-2 VOL Estimation of hardn	PARATIONS OF ORGANIC	COM		DS				

POTENTIOMETRIC TITRATIONS Week-4

Potentiometric titration of strong acid Vs strong base

CONDUCTOMETRIC TITRATIONS Week-5

Conductometric titration of mixture of acid Vs strong base

POTENTIOMETRIC TITRATIONS Week-6

Potentiometric titration of weak acid Vs strong base

Week-7 **PHYSICAL PROPERTIES**

Determination of surface tension of a given liquid using stalagmometer			
Week-8	PHYSICAL PROPERTIES		
Determination of viscosity of a given liquid by using Ostwald's viscometer			
Week-9	VOLUMETRIC ANALYSIS		
Estimation of dissolved oxygen in water			
Week-10	PREPARATION OF RUBBBER		
Preparation of Thiokol rubber			
WeeK-11	VOLUMETRIC ANALYSIS		
Determination of percentage of copper in brass			
Week-12	VOLUMETRIC ANALYSIS		
Estimation of MnO ₂ in pyrolusite			
Text Books:			
 Vogel's, "Quantitative Chemical Analaysis", Prentice Hall, 6th Edition, 2000. Gary D.Christian, "Analytical Chemistry", Wiley India, 6th Edition, 2007. 			
Reference Books:			
 A text book on experiments and calculation Engg. S.S. Dara. Instrumental methods of chemical analysis, Chatwal, Anand, Himalaya Publications. 			
Web References:			
 http://www.iare.ac.in https://en.wikipedia.org/wiki/Chemistry 			