

Course No.	Course Title	Teaching Schedule			Allotment of Marks			Duration of Exam (Hrs.)
		L	T	P	Theory	Sessional	Total	
AS-103N	Applied Chemistry	3	1	0	75	25	100	3
Purpose	<i>To introduce engineering based applications of applied chemistry to students.</i>							
Course Outcomes (CO)								
CO-1	Basic concepts along with some advanced applications of thermodynamics and phase rule chemistry.							
CO-2	Methods of determining hardness in water and various raw water purification techniques.							
CO-3	Green chemistry approach including different principles towards sustainable development							
CO-4	Importance of lubricants in advanced engineering.							
CO-5	Different types of corrosion, their mechanisms along with preventive measures.							
CO-6	Introduction and advanced uses of different engineering materials.							
CO-7	Importance of different nanomaterials in day to day life with their future prospects.							

Course No.	Course Title	Teaching Schedule			Allotment of Marks			Duration of Exam (Hrs.)
		L	T	P	Practical	Sessional	Total	
AS-109N	Applied Chemistry Lab	0	0	2	30	20	50	3
Purpose	<i>To train the students for handling of chemicals and glassware</i>							
Course Outcomes (CO)								
CO-1	Testing of certain parameters of water samples obtained from different sources							
CO-2	Determination of some of the physical and chemical properties of lubricants							
CO-3	To determine some important properties of liquids like surface tension, coefficient of viscosity							
CO-4	To make familiar with the use of flame photometer, Abbes Refractrometer							
CO-5	To make familiar with the use of conductometer and pH meter							