

4. COURSE OUTCOMES (Cos):

B.Sc. (Chemistry) : Course Outcomes				
<u>S.No</u>	<u>Cours e Code</u>	<u>Course Title</u>	<u>Course Objectives and Out Comes</u>	
Chemistry				
1	BS-106	Chemistry I	C-1	INORGANIC CHEMISTRY .s, p-block elements, General Principles of Inorganic qualitative analysis
			C-2	ORGANIC CHEMISTRY Structural Theory in Organic Chemistry, Acyclic Hydrocarbons, Alicyclic Hydrocarbons
			C-3	PHYSICAL CHEMISTRY Atomic structure and elementary quantum mechanics, states of matter
			C-4	GENERAL CHEMISTRY Chemical Bonding, Evaluation of analytical data
2	BS-206	Chemistry II	C-1	INORGANIC CHEMISTRY Chemistry of Zero group elements, d-block elements
			C-2	ORGANIC CHEMISTRY Chemistry of Aromatic Hydrocarbons, Arenes and Poly nuclear Aromatic Hydrocarbons, Halogen

				compounds
			C-3	PHYSICAL CHEMISTRY Chemistry of Solutions, Dilute Solutions & Colligative Properties,
			C-4	GENERAL CHEMISTRY Theory of Quantitative Analysis, Theories of bonding in metals, Material Science
4	BS-306	Chemistry III	C-1	INORGANIC CHEMISTRY Chemistry of f-block elements, Symmetry of molecules, Non – aqueous solvents
			C-2	ORGANIC CHEMISTRY Chemistry of alcohols , ethers, phenols, carbonyl compounds
			C-3	PHYSICAL CHEMISTRY Chemistry of Phase rule, colloids and surface chemistry
			C-4	GENERAL CHEMISTRY Chemistry of Nano materials, stereochemistry.
5	BS-406	Chemistry IV	C-1	INORGANIC CHEMISTRY Chemistry of Coordination complexes, Bioinorganic chemistry
			C-2	ORGANIC CHEMISTRY Chemistry of Carbohydrates, amino acids, proteins
			C-3	PHYSICAL CHEMISTRY Thermodynamics, chemical kinetics of reactions.
			C-4	GENERAL CHEMISTRY Theory of carbanion synthesis, bonding in metals
7	BS-505	SPECTOS COPY	C-1	SOLVENT EXTRACTION

		AND SEPER ATION TECH NIQUE S	C- 2	COLOUMN CHROMATOGRAPHY
			C- 3	IR, UV AND NMR SPECTROSCOPY
			C4	MASS SPECTROMETRY
	BS- 606	MEDICINAL CHEMISTRY	C- 1	INTRODUCTION AND TERMINOLOGY
			C- 2	ENZYMES AND RECEPTORS
			C- 3	SYNTHESIS OF DRUGS
			C- 4	MOLECULAR MESSENGERS, MICRONUTRIENTS