

DEPARTMENT OF BIOCHEMISTRY

		Semester I
COURSE CODE, COURSE NAME AND COURSE OUTCOMES (COs)		Course code: BCH 1C 01 Title: Biochemistry I
	CO.1.	Introduced the student scope and application of biochemistry in different fields
	CO.2.	Understood the significance of buffer systems in living organisms.
	CO.3.	Understood the importance of colloidal phenomena
	CO.4.	Understood the composition and physiological functions of blood
	CO.5	Understood the composition and physiological functions of lymph and bile
	CO.6.	Understood the composition and physiological functions of tear and sweat
	CO.7.	Proper understanding of principle and procedure of centrifugation
	CO.8.	Proper understanding of principle and procedure of RIA
	CO.9.	Proper understanding of principle and procedure of chromatography
	CO 10.	Proper understanding of principle and procedure of spectrophotometry
		Semester II
COURSE CODE, COURSE NAME AND COURSE OUTCOMES (COs)		Course code: BCH 2C 02 Title: Biochemistry II
	CO.1.	Through understanding of basic structure and functions of monosaccharide
	CO.2.	Through understanding of basic structure and functions of disaccharides
	CO.3.	Through understanding of basic structure and functions of polysaccharides
	CO.4.	Through understanding of basic structure and functions of fats and oils
	CO.5	Through understanding of basic structure and functions of steroids
	CO.6.	Through understanding of basic structure and functions of amino acids

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	CO.7.	Through understanding of basic structure and functions of proteins
	CO.8.	Through understanding of basic structure and functions of nucleotides
	CO.9.	Through understanding of basic structure and functions of RNA
	CO 10.	Through understanding of basic structure and functions of DNA
		Semester III
COURSE CODE, COURSE NAME AND COURSE OUTCOMES (COs)		Course code: BCH 3C 03 Title: Biochemistry III
	CO.1.	Through knowledge of basics of enzymology and metabolism
	CO.2.	Understand about the industrial and clinical application of enzymes
	CO.3.	Understand basic metabolism of carbohydrate
	CO.4.	Understand basics of pentose phosphate pathway
	CO.5	Understand basics of glycogen metabolism
	CO.6.	Understand basics of electron transport chain
	CO.7.	Understand basics of high energy compounds
	CO.8.	Understand basics of electron transport chain
	CO.9.	Understand basics Glyoxilate cycle
	CO 10.	Understand basics of photosynthesis
		Semester IV
COURSE CODE, COURSE NAME AND COURSE OUTCOMES (COs)		Course code: BCH 4C 04 Title: Biochemistry IV
	CO.1.	Through understanding of basics of lipid digestion and absorption
	CO.2.	Through understanding of basics of β Oxidation
	CO.3.	Through understanding of basics of fatty acid biosynthesis
	CO.4.	Through understanding of basics of cholesterol biosynthesis
	CO.5	Through understanding of basics of transamination reactions

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	CO.6.	Through understanding of basics of deamination reactions
	CO.7.	Through understanding of basics urea cycle
	CO.8.	Through understanding of basics of amino acid catabolism
	CO.9.	Through understanding of functions of vitamins
	CO 10.	Through understanding of functions of micro and macro minerals