

Syllabus Equivalence

2019 pattern		2013 pattern
Semester I		
CCTP-1 BCH-111	Biomolecules (Organic Chemistry of Living Beings)	BCH -170 Biomolecules
CCTP-2 BCH-112	Physical Biochemistry	BCH -171 Enzymology and Biophysical Techniques BCH -271 Techniques in characterization of biomolecules
CCTP-3 BCH-113	Cell biology and Membrane Biochemistry	BCH -172 Microbiology and Cell Biology
CBOP-1 BCH-114	Section-I: Theory Course (Any one) Elective Option-A: Enzymology Elective Option-B: Bioinformatics	BCH -171 Enzymology and Biophysical Techniques BCH -272 Biostatistics, Computer and Bioinformatics
	Section-II: Practical Course (Any one) Elective Option A : Enzymology Elective Option-B : Bioinformatics	BCH -267 Microbiology and Enzymology
CCTP-1 BCH-115	Biochemistry Practical -I Section I- Analytical Biochemistry Section II- Physical Biochemistry	BCH -167 Analytical Biochemistry BCH -168 Biophysical Techniques and Computers
Semester II		
CCTP-4 BCH-211	Metabolism (Reactions of Biomolecules)	BCH -270 Bioenergetics and Metabolism
CCTP-5 BCH-212	Genetics (Chemistry of Nucleic Acids)	BCH -273 Membrane Biochemistry and Genetics
CCTP-6 BCH-213	Plant Biochemistry	BCH-373 Toxicology and Plant Biochemistry

CBOP-2 BCH-214	Section-I: Theory Course (Any one) Elective Option-A : Microbiology Elective Option-B : Advanced techniques in Biochemistry	BCH -172 Microbiology and Cell Biology BCH-473 Optional Course (any 2 of the following) 4 1. Evolution and Developmental Biology 2. Clinical Nutrition 3. Food technology 4. Recent Advances in Biochemistry
	Section-II: Practical Course (Any one) Elective Option- A Microbiology Elective Option-B : Advanced techniques in Biochemistry	BCH -267 Microbiology and Enzymology
CCPP-2 BCH-215	Biochemistry Practical -I Section I- Analytical Biochemistry Section II- Physical Biochemistry	BCH -167 Analytical Biochemistry BCH -168 Biophysical Techniques and Computers
Semester III		
CCTP-7, BCH-311	Molecular Biology	BCH-370 Molecular Biology
CCTP-8, BCH-312	Immunology	BCH-371 Medical Biochemistry and Immunology
CCTP-9, BCH-313	Recombinant DNA Technology	BCH-472 Genetic Engineering
CBOP-3, BCH-314 (any one)	CHB-314(A): Bio-processing and Industrial Biochemistry CHB-314(B): Pharmacology and Forensic Biochemistry	BCH-471 Fermentation Technology and Tissue culture
CCPP-3, BCH-315 Practical I	Practical I: Molecular Biology and Immunological techniques	BCH-367 Molecular Biology Special experiments
Semester IV		
CCTP-10, BCH411	Neurochemistry & Endocrinology	BCH-372 Neurochemistry and Biochemistry of specialized Tissues BCH-470 Physiological Biochemistry and Endocrinology

CCTP-11, BCH412	Medical and Physiological Biochemistry	BCH-371 Medical Biochemistry and Immunology BCH-470 Physiological Biochemistry and Endocrinology
CBOP-4, BCH-413 (any one)	CHB-413(A): Evolution and developmental biology CHB-413(B): Clinical Nutrition and Food Technology	BCH-473 Optional Course (any 2 of the following) 4 1. Evolution and Developmental Biology 2. Clinical Nutrition 3. Food technology 4. Recent Advances in Biochemistry
CBOP-4, BCH-414 (any one) Practical III	CHB-414(A): Principles Of Downstream Techniques In Bioprocess CHB-414(B): Clinical Biochemistry and Research Methodology (Presentation of research paper/Preparation of research project) Data interpretation	BCH-368 Clinical Biochemistry
CCPP-4, BCH-415 Practical II	Project	BCH-467 Project