

**ANNEXURE M. Sc. BIOCHEMISTRY**

**Equivalence of Syllabus / papers between CBS & CBCS syllabus for desirous students (CBS Pattern students (introduced in the Year 2012-2013) in CBCS Pattern ( introduced in the year 2015-16 at M.Sc Semester I and II and in the year 2016-17, at M.Sc. Semester –III and Semester IV**

If the candidate has failed in any of the papers mentioned below (As described in Point no. 22 'b', 'c', 'd', and 'e')						Then, the candidate shall appear and clear the paper shown in the respective row as equivalent paper						
M.Sc. Biochemistry CBS Pattern : Semester -I						M.Sc. Biochemistry Choice Based Credit System ( CBCS)						
S. No.	Code No.	Paper	Name of Paper	Total Marks	Credits	Equivalence To	Sem	Code No.	Paper	Name of Paper	Total Marks	Credits
01	BCH1T001	Paper I	Biophysical Techniques	100	4		I	1T3	Paper I	Biochemical Research Techniques	80+ 20	4
02	BCH1T002	Paper II	Protein Biochemistry	100	4		I	1T1	Paper II	Protein Biochemistry	80+20	4
03	BCH1T003	Paper III	Advanced Enzymology	100	4		I	1T2	Paper III	Advanced enzymology	80+20	4
04	BCH1T004	Paper IV	Plant Biochemistry	100	4		I	1T4	Paper IV	Plant Biochemistry	80+20	4
05	BCH1 LAB1	Practical-I	AnalyticalBiochemistry & Enzymology	80+ 20	4		I	1P1	Pract.-I	ProteinBiochemistry & Enzymology	100	4
06	BCH1 LAB2	Practical-II	Plant Biochemistry	80+20	4		I	1P2	Pract.-II	Biochemical ResearchTechniques & Plant Biochemistry	100	4
07	BCH1INT1	Seminar-I	Internal Assessment (Seminar)	25	1		I	1S1	Seminar	Seminar-I	25	1
M.Sc. Biochemistry CBS Pattern : Semester -II						M.Sc. Biochemistry Choice Based Credit System ( CBCS)						
S. No.	Code No.	Paper	Name of Paper	Total Marks	Credits	Equivalence To	Sem	Code No.	Paper	Name of Paper	Total Marks	Credits
01	BCH2T005	Paper V	Cellular & Molecular Immunology	100	4		II	2T1	Paper I	Cellular&Molecular Immunology	80+20	4
02	BCH2T006	Paper VI	Cell & Molecular BiologyTechniques	100	4		III	3T4	Paper II	Bioresearch Techniques	80+20	4

<b>03</b>	BCH2T007	Paper VII	Clinical Biochemistry	<b>100</b>	<b>4</b>		<b>II</b>	2T2	Paper III	Clinical Biochemistry	<b>80+20</b>	<b>4</b>
<b>04</b>	BCH2T008	Paper VIII	Molecular Biology	<b>100</b>	<b>4</b>		<b>II</b>	2T4	Paper IV	Molecular Biology	<b>80+20</b>	<b>4</b>
<b>05</b>	BCH2LAB3	Practical-III	Cell & Molecular Biology	<b>80+20</b>	<b>4</b>		<b>II</b>	2P2	Pract I	Cell & Molecular Biology	<b>100</b>	<b>4</b>
<b>06</b>	BCH2LAB4	Practical-IV	Clinical Biochemistry	<b>80+20</b>	<b>4</b>		<b>II</b>	2P1	Pract. II	Clinical Biochemistry & Immunology	<b>100</b>	<b>4</b>
<b>07</b>	BCH2INT2	Seminar-II	Internal Assessment(Seminar)	<b>25</b>	<b>1</b>		<b>II</b>	2S1	Seminar	Seminar	<b>25</b>	<b>1</b>
<b>M.Sc. Biochemistry CBS Pattern : Semester -III</b>						<b>M.Sc. Biochemistry Choice Based Credit System (CBCS)</b>						
<b>S. No.</b>	<b>Code No.</b>	<b>Paper</b>	<b>Name of Paper</b>	<b>Total Marks</b>	<b>Credits</b>	<b>Equivalence To</b>	<b>Sem</b>	<b>Code No.</b>	<b>Paper</b>	<b>Name of Paper</b>	<b>Total Marks</b>	<b>Credits</b>
<b>01</b>	BCH3T009	Paper IX	Advanced Molecular Biology	<b>100</b>	<b>4</b>		<b>III</b>	3T1	<b>Paper I</b>	Advanced Molecular Biology	<b>80+20</b>	<b>4</b>
<b>02</b>	BCH3T0010	Paper X	Biotechnology	<b>100</b>	<b>4</b>		<b>III</b>	3T2	<b>Paper II</b>	Biotechnology	<b>80+20</b>	<b>4</b>
<b>03</b>	BCH3T011	Paper XI	Immunology	<b>100</b>	<b>4</b>		<b>IV</b>	4T2	<b>Paper III</b>	Advanced Immunology	<b>80+20</b>	<b>4</b>
<b>04</b>	BCH3T0012	Paper XII	Biochemical & Environmental Toxicology	<b>100</b>	<b>4</b>		<b>III</b>	3T3	<b>Paper IV</b>	Biochemical & Environmental Toxicology	<b>80+20</b>	<b>4</b>
<b>05</b>	BCH3LAB5	Practical V	Biotechnology & Immunological techniques	<b>80+20</b>	<b>4</b>		<b>III</b>	3P1	Pract. I	Biotechnology & Molecular Biology	<b>100</b>	<b>4</b>
<b>06</b>	BCH3LAB6	Practical VI	Biochemical & Environmental Toxicology	<b>80+20</b>	<b>4</b>		<b>III</b>	3P2A	<b>Pract II</b>	Toxicology (Biochemical & Environmental Toxicology)	<b>100</b>	<b>4</b>
<b>07</b>	BCH3INT3	Seminar-III	Internal Assessment (PreProject presentation for approval)	<b>25</b>	<b>1</b>		<b>III</b>	3S1	3S1	Seminar	<b>25</b>	<b>1</b>
<b>M.Sc. Biochemistry CBS Pattern : Semester -IV</b>						<b>M.Sc. Biochemistry Choice Based Credit System (CBCS)</b>						

S. No.	Code No.	Paper	Name of Paper	Total Marks	Credits	Equivalence To	Sem	Code No.	Paper	Name of Paper	Total Marks	Credits
01	BCH4T0013	Paper XIII	Advanced Clinical Biochemistry	100	4		IV	4T1	Paper I	Advanced Clinical Biochemistry	80+20	4
02	BCH4T014	Paper XIV	Cell Biology & Cellular Biochemistry	100	4		II	2T3	Paper II	Cell Biochemistry	80+20	4
03	BCH4T0015	Paper XV	Nutrition & Biochemistry of Movements	100	4		III	3T3B	Paper III	Nutritional Biochemistry	80+20	4
04	BCH4T0016	Paper XVI	Biostatistics, Research methodology, Technical writing, Computers & Bioinformatics	100	4		I	1T3	Paper IV	Biochemical Research Techniques	80+20	4
05	♣BCH4LAB7	Practical VII	♣Biostatistics, Bioinformatics & Cell biology	80+20	4		IV	BCH4LAB7♣	Pract. I	♣Biostatistics, Bioinformatics & Cell biology	100	4
05	BCH4PROJ	Project	Project Work	80+20	4		IV	4PROJ1	Project	Project work	100	4
06	BCH4INT4	Seminar IV	Internal Assessment (Final Project Presentation)	25	1	IV	4S1	4S1	Seminar	25	1	