



STUDY AND EVALUATION SCHEME (2023-2024)

SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS

Program:BSc_Biotechnology

Semester:1st

S.No.	Course Code	Course Name	Maximum Marks Allotted							Credits Allotted			Total Credits
			Theory			Practical			Total Marks	L	T	P	
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva					
1	BSBT101[T]	Fundamentals of Biochemistry	60	20	20	0	0	0	100	3	0	0	3
2	BSBT102[T]	General Microbiology	60	20	20	0	0	0	100	3	0	0	3
3	BSBT103[T]	Cell Structure and Dynamics	60	20	20	0	0	0	100	3	0	0	3
4	BSBT101[P]	Fundamentals of Biochemistry	0	0	0	60	20	20	100	0	0	1	1
5	BSBT102[P]	General Microbiology	0	0	0	60	20	20	100	0	0	1	1
6	BSBT103[P]	Cell Structure and Dynamics	0	0	0	60	20	20	100	0	0	1	1
7		Elective4.SEC I (T)	60	20	20	0	0	0	100	2	0	0	2
8		Elective3.VAC I (T)	60	20	20	0	0	0	100	2	0	0	2
9		Elective2.AEC I (T)	60	20	20	0	0	0	100	2	0	0	2
10		Elective1.GE I (T)	60	20	20	0	0	0	100	3	0	0	3
11		Elective1.GE I (P)	0	0	0	60	20	20	100	0	0	1	1
Total Credits													22

*Newly Added Courses

*



STUDY AND EVALUATION SCHEME (2023-2024)

(SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Programme: BSc_Biotechnology(BSc_Biotechnology)

Semester: 2nd

S.No.	Course Code	Course Name	Maximum Marks Allotted						Credits Allotted			Total Credits	
			Theory			Practical			Total Marks	L	T		P
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva					
1	BSBT 201(T)	Molecular Biology	60	20	20	0	0	0	100	3	0	0	3
2	BSBT 203 (T)	Analytical Chemistry	60	20	20	60	20	20	200	3	0	0	3
3	BSBT202(T)	Immunology	60	20	20	60	20	20	200	3	0	0	3
4	BSBT 201(P)	Molecular Biology	0	0	0	60	20	20	100	0	0	1	1
5	BSBT 203 (P)	Analytical chemistry	0	0	0	60	20	20	100	0	0	1	1
6	BSBT202(P)	Immunology	0	0	0	60	20	20	100	0	0	1	1
7		Elective4.SEC II (T)	60	20	20	0	0	0	100	2	0	0	2
8		Elective3.VAC II (T)	60	20	20	0	0	0	100	2	0	0	2
9		Elective2.AEC II (T)	60	20	20	0	0	0	100	2	0	0	2
10		Elective1.GE II (T)	60	20	20	0	0	0	100	3	0	0	3
11		Elective1.GE II (P)	0	0	0	60	20	20	100	0	0	1	1
Total Credits													22

*Newly Added Courses

*



STUDY AND EVALUATION SCHEME (2023-2024)

(SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Programme: BSc_Biotechnology(BSc_Biotechnology)

Semester: 3rd

S.No.	Course Code	Course Name	Maximum Marks Allotted						Credits Allotted			Total Credits	
			Theory			Practical			Total Marks	L	T		P
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva					
1	BSBT 301 (T)	Molecular Biology II	60	20	20	0	0	0	100	3	0	0	3
2	BSBT 302 (T)	Plant tissue culture	60	20	20	0	0	0	100	3	0	0	3
3	BSBT303(T)	Genetics	60	20	20	0	0	0	100	3	0	0	3
4	BSBT303(P)	Genetics	0	0	0	60	20	20	100	0	0	1	1
5	BSBT 301 (P)	Molecular Biology II	0	0	0	60	20	20	100	0	0	1	1
6	BSBT 302 (P)	Plant Tissue Culture	0	0	0	60	20	20	100	0	0	1	1
7		Elective4.SEC III (T)	60	20	20	0	0	0	100	2	0	0	2
8		Elective3. VAC III	60	20	20	0	0	0	100	2	0	0	2
9		Elective2.AEC III	60	20	20	0	0	0	100	2	0	0	2
10		Elective1.GE III (T)	60	20	20	0	0	0	100	3	0	0	3
11		Elective1.GE III (P)	0	0	0	20	20	20	60	0	0	1	1
Total Credits													22

*Newly Added Courses

*



STUDY AND EVALUATION SCHEME (2023-2024)

(SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Programme: BSc_Biotechnology(BSc_Biotechnology)

Semester: 4th

S.No.	Course Code	Course Name	Maximum Marks Allotted						Credits Allotted			Total Credits	
			Theory			Practical			Total Marks	L	T		P
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva					
1	BSBT 401 (T)	Genetic Engineering	60	20	20	0	0	0	100	3	0	0	3
2	BSBT 402(T)	Bioprocess Engineering	60	20	20	0	0	0	100	3	0	0	3
3	BSBT 403 (T)	Enzymology	60	20	20	0	0	0	100	3	0	0	3
4	BSBT 401(P)	Genetic Engineering	0	0	0	60	20	20	100	0	0	1	1
5	BSBT 402 (P)	Bioprocess Engineering	0	0	0	60	20	20	100	0	0	1	1
6	BSBT 403 (P)	Enzymology	0	0	0	60	20	20	100	0	0	1	1
7		Elective5NCC*/MOOC*	60	20	20	0	0	0	100	2	0	0	2
8		Elective4.SEC IV	60	20	20	0	0	0	100	2	0	0	2
9		Elective3.VAC IV	60	20	20	0	0	0	100	2	0	0	2
10		Elective2.AEC IV (T)	60	20	20	0	0	0	100	2	0	0	2
11		Elective1.GE IV (P)	0	0	0	60	20	20	100	0	0	1	1
12		Elective1. GE IV (T)	60	20	20	0	0	0	100	3	0	0	3
Total Credits													22

*Newly Added Courses

*



STUDY AND EVALUATION SCHEME (2023-2024)

(SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Programme: BSc_Biotechnology(BSc_Biotechnology)

Semester: 5th

S.No.	Course Code	Course Name	Maximum Marks Allotted						Credits Allotted			Total Credits	
			Theory			Practical			Total Marks	L	T		P
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva					
1	BSBT 501 (T)	Bioinformatics	60	20	20	0	0	0	100	3	0	0	3
2	BSBT 502 (T)	Cellular Metabolism	60	20	20	0	0	0	100	3	0	0	3
3	BSBT 503 (T)	Genomics & Proteomics	60	20	20	0	0	0	100	3	0	0	3
4	BSBT 501 (P)	Bioinformatics	0	0	0	60	20	20	100	0	0	1	1
5	BSBT 502 (P)	Cellular Metabolism	0	0	0	60	20	20	100	0	0	1	1
6	BSBT 503 (P)	Genomics & Proteomics	0	0	0	60	20	20	100	0	0	1	1
7	IAPC I	Industrial Training	0	0	0	300	0	0	300	0	0	6	6
8		Elective2.SEC V (T)	60	20	20	0	0	0	100	2	0	0	2
9		Elective2.SEC V (P)	0	0	0	60	20	20	100	0	0	1	1
10		Elective1.DSE I (T)	60	20	20	0	0	0	100	2	0	0	2
11		Elective1.DSE I (P)	0	0	0	60	20	20	100	0	0	1	1
Total Credits													24

*Newly Added Courses

*



STUDY AND EVALUATION SCHEME (2023-2024)

(SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Programme: BSc_Biotechnology(BSc_Biotechnology)

Semester: 6th

S.No.	Course Code	Course Name	Maximum Marks Allotted						Credits Allotted			Total Credits	
			Theory			Practical			Total Marks	L	T		P
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva					
1	BSBT 601 (T)	Animal Tissue Culture	60	20	20	0	0	0	100	3	0	0	3
2	BSBT 602 (T)	Nanobiotechnology	60	20	20	0	0	0	100	3	0	0	3
3	BSBT 601 (P)	Animal Tissue Culture	0	0	0	60	20	20	100	0	0	1	1
4	BSBT 602 (P)	Nanobiotechnology	0	0	0	60	20	20	100	0	0	1	1
5	IAPC II	Industrial Training	0	0	0	300	0	0	300	0	0	6	6
6		Elective4.SEC VI (T)	60	20	20	0	0	0	100	3	0	0	3
7		Elective3.DSE IV (T)	60	20	20	0	0	0	100	3	0	0	3
8		Elective2.DSE III (T)	60	20	20	0	0	0	100	3	0	0	3
9		Elective1.DSE II (T)	60	20	20	0	0	0	100	3	0	0	3
Total Credits											26		

*Newly Added Courses

*



STUDY AND EVALUATION SCHEME (2023-2024)

(SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Programme: BSc_Biotechnology(BSc_Biotechnology)

Semester: 7th

S.No.	Course Code	Course Name	Maximum Marks Allotted						Credits Allotted			Total Credits	
			Theory			Practical			Total Marks	L	T		P
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva					
1	BSBT 701 (T)	Drug designing	60	20	20	0	0	0	100	3	0	0	3
2	BSBT 702 (T)	Research Methodology	60	20	20	0	0	0	100	3	0	0	3
3	BSBT 701 (P)	Drug designing	0	0	0	60	20	20	100	0	0	1	1
4	BSBT 703 (P)	Dissertation I	0	0	0	400	0	0	400	0	0	6	6
5	FP/In I	Field Project/Internship	0	0	0	300	0	0	300	0	0	6	6
6		Elective2.DSE VI (T)	60	20	20	0	0	0	100	2	0	0	2
7		Elective2.DSE VI (P)	0	0	0	60	20	20	100	0	0	1	1
8		Elective1.DSE V (T)	60	20	20	0	0	0	100	3	0	0	3
Total Credits											25		

*Newly Added Courses

*



STUDY AND EVALUATION SCHEME (2023-2024)

(SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Programme: BSc_Biotechnology(BSc_Biotechnology)

Semester: 8th

S.No.	Course Code	Course Name	Maximum Marks Allotted						Credits Allotted			Total Credits	
			Theory			Practical			Total Marks	L	T		P
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva					
1	BSBT 801 (P)	Proteomics and Protein Interaction	0	0	0	60	20	20	100	0	0	1	1
2	BSBT 802 (P)	Dissertation II	0	0	0	400	0	0	400	0	0	6	6
3	FP/In II	Field Project/Internship	0	0	0	300	0	0	300	0	0	6	6
4		Elective2.SEC VII (T)	60	20	20	0	0	0	100	2	0	0	2
5		Elective2.SEC VII (P)	0	0	0	60	20	20	100	0	0	1	1
6		Elective1.DSE VII (T)	60	20	20	0	0	0	100	2	0	0	2
7		Elective1.DSE VII (P)	0	0	0	60	20	20	100	0	0	1	1
Total Credits											19		

*Newly Added Courses

*



List of Elective Subjects

Course Code	Course Name	Subject Type	Semester
I [P]	Animal Diversity	Elective1.GE I (P)	1st
I [T]	Animal Diversity	Elective1.GE I (T)	1st
CI[T]	English	Elective2.AEC I (T)	1st
CI[T]	Environmental Science	Elective3.VAC I (T)	1st
CI [T]	Bioinstrumentation	Elective4.SEC I (T)	1st
BT104[T]	NCC	Elective5	1st
BT GE II (T)	Plant Ecology	Elective1	2nd
BT GE II (P)	General and comparative anatomy of vertebrates	Elective1.GE II (P)	2nd
BT GEII (T)	General and comparative anatomy of vertebrates	Elective1.GE II (T)	2nd
BT GE II(P)	Plant Ecology	Elective1GE II (P)	2nd
BT GE II (T)	HINDI I	Elective2.AEC II (T)	2nd
BT GE II (T)	India in 21st Century	Elective3.VAC II (T)	2nd
BT GE II (T)	Basics of Forensic Science	Elective4.SEC II (T)	2nd
BT 204 (T)	NCC*	Elective5	2nd
BT 204 (P)	NCC*	Elective5Practical	2nd
BT GEIII (P)	Inorganic Chemistry	Elective1.GE III (P)	3rd
BT GE III (T)	Inorganic Chemistry	Elective1.GE III (T)	3rd
BT GE III (P)	Organic Chemistry	Elective1GE III (P)	3rd
BT GE III (T)	Organic Chemistry	Elective1GE III (T)	3rd
BT AEC III	English II	Elective2.AEC III	3rd
BT VAC III	Disaster Management	Elective3. VAC III	3rd
BT SEC III (T)	Biostatistics & Computer applications	Elective4.SEC III (T)	3rd
BT 304 (P)	NCC*	Elective5	3rd
BT 304 (T)	NCC*	Elective5	3rd
BT GE IV (T)	Animal Physiology	Elective1. GE IV (T)	4th
BT GE IV (P)	Animal Physiology	Elective1.GE IV (P)	4th
BT GE IV (T)	Plant Physiology	Elective1GE IV (T)	4th
BT GEIV (P)	Plant Physiology	Elective1GEIV (P)	4th
BT AEC IV	Hindi II	Elective2.AEC IV (T)	4th
BT VAC IV	Environmental Issues and Sustainable Development	Elective3.VAC IV	4th
BT SEC IV	Bioethics and Biosafety	Elective4.SEC IV	4th
BT 404 (T)	NCC*/MOOC*	Elective5NCC*/MOOC*	4th
BT GE I (P)	Environmental Biotechnology	Elective1.DSE I (P)	5th
BT GE I (T)	Environmental Biotechnology	Elective1.DSE I (T)	5th
BT GE I (P)	Environmental Microbiology	Elective1DSE I (P)	5th
BT GE I (T)	Environmental Microbiology	Elective1DSE I (T)	5th
BT GE V (P)	Organic Farming	Elective2.SEC V (P)	5th
BT GE V (T)	Organic Farming	Elective2.SEC V (T)	5th
BT GE V (P)	Marine Microbiology	Elective2SEC V (P)	5th
BT GE V (T)	Marine Microbiology	Elective2SEC V (T)	5th
BT GE II (T)	Agriculture Biotechnology and Intellectual property rights	Elective1.DSE II (T)	6th
BT GE II (T)	Agriculture Microbiology	Elective1DSE II (T)	6th
BT GE III (T)	Waste Management	Elective2.DSE III (T)	6th
BT GE III (T)	Organic Mechanisms in Biology	Elective2DSE III (T)	6th
BT GE IV (T)	Frontiers in Biotechnology & Microbiology	Elective3.DSE IV (T)	6th
BT GE IV (T)	Molecular Diagnostics	Elective3DSE IV (T)	6th

SEC VI (T)	Introduction to Good Laboratory practices	Elective4.SEC VI (T)	6th
SEC VI (T)	Entrepreneurship development	Elective4SEC VI (T)	6th
DSE V (T)	Medical Biotechnology	Elective1.DSE V (T)	7th
DSE V (T)	Medical Microbiology	Elective1DSE V (T)	7th
DSE VI (P)	Industrial Biotechnology	Elective2.DSE VI (P)	7th
DSE VI (T)	Industrial Biotechnology	Elective2.DSE VI (T)	7th
DSE VI (P)	Industrial Microbiology	Elective2DSE VI (P)	7th
DSE VI (T)	Industrial Microbiology	Elective2DSE VI (T)	7th
DSE VII (P)	Food and Dairy Microbiology	Elective1.DSE VII (P)	8th
DSE VII (T)	Food and Dairy Microbiology	Elective1.DSE VII (T)	8th
DSE VII (P)	Pharmaceutical Biotechnology	Elective1DSE VII (P)	8th
DSE VII (T)	Pharmaceutical Biotechnology	Elective1DSE VII (T)	8th
SEC VII (P)	Hydroponics Cultivation	Elective2.SEC VII (P)	8th
SEC VII (T)	Hydroponics Cultivation	Elective2.SEC VII (T)	8th
BT 801 (T)	Proteomics and Protein Interaction	TheoryMajor	8th