



STUDY AND EVALUATION SCHEME (2025-2026)

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				
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva		L	T	P	
1	AEC I	Hindi I-Language & Moral Values	70	15	15	0	0	0	100	2	0	0	2
2	BSBT 101 (T)	Fundamentals of Biochemistry	0	0	0	70	15	15	100	3	0	0	3
3	BSBT 102 (T)	Cell Structure and Dynamics	0	0	0	70	15	15	100	2	0	0	2
4	BSBT 103 (T)	General Microbiology	70	15	15	0	0	0	100	2	0	0	2
5	BSBT 104 (MD I) (T)	Animal Diversity	70	15	15	0	0	0	100	2	0	0	2
6	SEC I (T)	Bioinstrumentation	70	15	15	0	0	0	100	2	0	0	2
7	BSBT 101[P]	Fundamentals of Biochemistry	0	0	0	70	15	15	100	0	0	1	1
8	BSBT 102 [P]	General Microbiology	0	0	0	70	15	15	100	0	0	1	1
9	BSBT 103[P]	Cell Structure and Dynamics	0	0	0	60	20	20	100	0	0	1	1
10	BSBT 104 (MD I) [P]	Animal Diversity	0	0	0	70	15	15	100	0	0	1	1
11	PW/Ap/CE	Project Work, Apprenticeship, Community engagement	0	0	0	70	15	15	100	0	0	2	2
12	SEC I (P)	Bioinstrumentation	0	0	0	70	15	15	100	0	0	1	1
Total Credits													20

*Newly Added Courses

*Students need to earn 2 IKS audit credits in the semester (0.25 credits per IKS event) for progression



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(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				
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva		L	T	P	
1	AEC II	Communication and presentations skill-I	70	15	15	0	0	0	100	2	0	0	2
2	BSBT 201 (T)	Molecular Biology –I	70	15	15	0	0	0	100	3	0	0	3
3	BSBT 202 (T)	Immunology	70	15	15	0	0	0	100	3	0	0	3
4	BSBT 203 (T)	Genetics	70	15	15	0	0	0	100	3	0	0	3
5	BSBT 204 (T)	Plant Diversity	70	15	15	0	0	0	100	3	0	0	3
6	VAC I	Environmental Science	70	15	15	0	0	0	100	2	0	0	2
7	BSBT 201 (P)	Molecular Biology –I	0	0	0	70	15	15	100	0	0	1	1
8	BSBT 202 (P)	Immunology	0	0	0	70	15	15	100	0	0	1	1
9	BSBT 203 (P)	Genetics	0	0	0	70	15	15	100	0	0	1	1
10	BSBT 204 (P)	Plant Diversity	0	0	0	70	15	15	100	0	0	1	1
Total Credits													20

*Newly Added Courses

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Programme: BSc_Biotechnology(BSc_Biotechnology)

Semester: 3rd

S.No.	Course Code	Course Name	Maximum Marks Allotted							Credits Allotted			Total Credits
			Theory			Practical			Total Marks				
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Progressive Evaluation	Internal Viva			L	T	
1	AEC III (T)	Hindi Language & Moral Values – II	70	15	15	0	0	0	100	2	0	0	2
2	BSBT 301 (T)	Molecular Biology II	60	20	20	0	0	0	100	3	0	0	3
3	BSBT 302 (T)	Cellular Metabolism	70	15	15	0	0	0	100	3	0	0	3
4	BSBT 303 (T)	General and comparative anatomy of vertebrates	70	15	15	0	0	0	100	2	0	0	2
5	BSBT 304 (T)	Plant Physiology	70	15	15	0	0	0	100	2	0	0	2
6	BSBT 305 -MD II (T)	Organic Chemistry	70	15	15	0	0	0	100	2	0	0	2
7	VAC III (T)	Introduction to Good Laboratory Practices	70	15	15	0	0	0	100	2	0	0	2
8	BSBT 301 (P)	Molecular Biology II	0	0	0	60	20	20	100	0	0	1	1
9	BSBT 302 (P)	Cellular Metabolism	0	0	0	70	15	15	100	0	0	1	1
10	BSBT 303 (P)	General and comparative anatomy of vertebrates	0	0	0	70	15	15	100	0	0	1	1
11	BSBT 304 (P)	Plant Physiology	0	0	0	70	15	15	100	0	0	1	1
12	BSBT 305 -MD II (P)	Organic Chemistry	0	0	0	70	15	15	100	0	0	1	1
Total Credits													21

*Newly Added Courses

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(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				
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva		L	T	P	
1	AEC IV	Communication and presentations skill-II	70	15	15	0	0	0	100	2	0	0	2
2	BSBT 401 (T)	Enzymology	70	15	15	0	0	0	100	3	0	0	3
3	BSBT 402(T)	Bioprocess Engineering	70	15	15	0	0	0	100	2	0	0	2
4	BSBT 403 (T)	Animal Physiology	70	15	15	0	0	0	100	2	0	0	2
5	BSBT 404 (T)	Genetic Engineering	70	15	15	0	0	0	100	3	0	0	3
6	SEC II (T)	Bioethics and Biosafety	70	15	15	0	0	0	100	2	0	0	2
7	BSBT 401 (P)	Enzymology	0	0	0	70	15	15	100	0	0	1	1
8	BSBT 402 (P)	Bioprocess Engineering	0	0	0	15	15	15	45	0	0	1	1
9	BSBT 403 (P)	Animal Physiology	0	0	0	70	15	15	100	0	0	1	1
10	BSBT 404 (P)	Genetic Engineering	0	0	0	70	15	15	100	0	0	1	1
11	PW/AP/CE I	PW/AP/CE I	0	0	0	70	15	15	100	0	0	2	2
12	SEC II (P)	Bioethics and Biosafety	0	0	0	70	15	15	100	0	0	1	1
Total Credits													21

*Newly Added Courses

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(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				
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva		L	T	P	
1	AEC V	Mathematical aptitude and reasoning -I	70	15	15	0	0	0	100	2	0	0	2
2	BSBT 501 (T)	Bioinformatics	70	15	15	0	0	0	100	3	0	0	3
3	BSBT 502 (T)	Genomics & Proteomics	70	15	15	0	0	0	100	3	0	0	3
4	BSBT 503 (T)	Animal Tissue Culture	70	15	15	0	0	0	100	4	0	0	4
5	BSBT 504 (T)	Environmental Biotechnology	70	15	15	0	0	0	100	3	0	0	3
6	MD III -BSMB 505 (T)	Pharmaceutical Chemistry	70	15	15	0	0	0	100	2	0	0	2
7	SEC III (T)	Ecology and Bioremediation	70	15	15	0	0	0	100	2	0	0	2
8	VAC III	Sustainable Development	70	15	15	0	0	0	100	2	0	0	2
9	BSBT 501 (P)	Bioinformatics	0	0	0	70	15	15	100	0	0	1	1
10	BSBT 503 (P)	Genomics & Proteomics	0	0	0	60	20	20	100	0	0	1	1
11	BSBT 504 (P)	Environmental Biotechnology	0	0	0	70	15	15	100	0	0	1	1
12	BSMB 506 (P)	Summer Internship	0	0	0	70	15	15	100	0	0	2	2
13	MD III -BSMB 505 (T)	Pharmaceutical Chemistry	0	0	0	70	15	15	100	0	0	1	1
14	SEC III (P)	Ecology and Bioremediation	0	0	0	70	15	15	100	0	0	1	1
Total Credits													28

*Newly Added Courses

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Programme: BSc_Biotechnology(BSc_Biotechnology)

Semester: 6th

S.No.	Course Code	Course Name	Maximum Marks Allotted							Credits Allotted			Total Credits
			Theory			Practical			Total Marks				
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva		L	T	P	
1	AEC VI (T)	Mathematical aptitude and reasoning -II	70	15	15	0	0	0	100	2	0	0	2
2	BSBT 601 (T)	Medical Biotechnology	70	15	15	0	0	0	100	3	0	0	3
3	BSBT 602 (T)	Plant tissue culture	70	15	15	0	0	0	100	3	0	0	3
4	BSBT 603 (T)	Drug designing and Toxicology	70	15	15	0	0	0	100	3	0	0	3
5	BSBT 604 (T)	Nanobiotechnology	70	15	15	0	0	0	100	3	0	0	3
6	BSBT 605 (T)	Molecular Diagnostics	70	15	15	0	0	0	100	3	0	0	3
7	BSBT 606 (T)	Food Biotechnology	70	15	15	0	0	0	100	3	0	0	3
8	VAC IV (T)	Disaster management	70	15	15	0	0	0	100	2	0	0	2
9	BSBT 601 (P)	Medical Biotechnology	0	0	0	70	15	15	100	0	0	1	1
10	BSBT 602 (P)	Plant Tissue Culture	0	0	0	70	15	15	100	0	0	1	1
11	BSBT 605 (P)	Molecular Diagnostics	0	0	0	70	15	15	100	0	0	1	1
12	BSBT 606 (P)	Food Biotechnology	0	0	0	70	15	15	100	0	0	1	1
Total Credits													26

*Newly Added Courses

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(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				
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva		L	T	P	
1	BSBT 701 (T)	Industrial Biotechnology	70	15	15	0	0	0	100	3	0	0	3
2	BSBT 702 (T)	Research Methodology	70	15	15	0	0	0	100	4	0	0	4
3	BSBT 703 (T)	Agriculture Biotechnology	70	15	15	0	0	0	100	3	0	0	3
4	BSBT 704 (T)	Stem Cell Technology	70	15	15	0	0	0	100	4	0	0	4
5	BSBT 705 (T)	Biotechnology Management	70	15	15	0	0	0	100	4	0	0	4
6	BSBT 701 (P)	Industrial Biotechnology	0	0	0	70	15	15	100	0	0	1	1
7	BSBT 703 (P)	Agriculture Biotechnology	0	0	0	70	15	15	100	0	0	1	1
Total Credits													20

*Newly Added Courses

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(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				
			End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Prograssive Evaluation	Internal Viva		L	T	P	
1	BSBT 801 (T)	Forensic Biology	70	15	15	0	0	0	100	3	0	0	3
2	BSBT 802 (T)	Vaccinology	70	15	15	0	0	0	100	4	0	0	4
3	BSBT 801 (P)	Forensic Biology	0	0	0	70	15	15	100	0	0	1	1
4	BSBT 803 (P)	Research Project/Dissertation	0	0	0	400	0	0	400	0	0	12	12
Total Credits													20

*Newly Added Courses

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List of Elective Subjects

Course Code	Course Name	Subject Type	Semester
C 1 (T)	System Biology	Elective1	8th
C2 (P)	Bio-Enterprise: Innovation to commercialization	Elective2	8th
C2 (T)	Bio-Enterprise: Innovation to commercialization	Elective2	8th
C 3 (T)	Frontiers in Biotechnology	Elective3	8th