

Sant Gadge Baba Amravati University Amravati

B.Sc. Biotechnology (Semester-I) NEP-AEDP

Sr. No	Type	Subject Code	Subject	Teaching and Learning Scheme					Duration of Exam Hrs	Examination and Evaluation Scheme							
				Teaching Period per week				Credits		Maximum Marks				Total marks	Minimum passing Marks		
				L	T	P	Total Hrs			External		Internal			External	Internal	Total
										Th	Pr	Th	Pr				
1	AEC	N1BT1	English Composition and Communication	1	1	-	02	02	02	30	-	20	-	50	12	08	20
2	Core	N1BT2	Basic biochemistry	3	-	-	03	03	03	50	-	30	-	80	20	12	32
3	Core	N1BT3	Microbial Biotechnology	3	-	-	03	03	03	50	-	30	-	80	20	12	32
4	Core	N1BT4	Cell biology	3	-	-	03	03	03	50	-	30	-	80	20	12	32
5	SEC/LAB	N1BT5	Biochemistry-LAB`	-	-	2	04	02	-	-	25	-	25	50	10	10	20
6	SEC/LAB	N1BT6	Microbial biotechnology LAB	-	-	2	04	02	-	-	25	-	25	50	10	10	20
7	SEC/LAB	N1BT7	Cell Biology LAB	-	-	2	04	02	-	-	25	-	25	50	10	10	20
8	IKS	N1BT8	Indian Knowledge System	2	-	-	02	02	02	Department Level Theory				50	-	20	20
9	VAC	N1BT9	Environmental Science	2	-	-	02	02	02	Department Level Theory				50	-	20	20
10	OE-I	N1BT10	*MOOCS/SWYAM/NEPTEL/GOEC Basket Courses	-	-	1	02	01	-	Department Assessment				50	-	20	20
11	Assessment Hours						06										
	TOTAL						35	22					590				
Sem -I Total Credit			22			Total Marks		590									

Internal Assessment Guidelines

For 30 Marks Internal (Theory) – Test 1 = 05M , Test 2 = 05M, Assignment/Seminar/Paper-Presentation =10M, Common Test Based on Whole Syllabus = 10M

For 20 Marks Internal (Theory) – Test 1 = 05M , Test 2 = 05M, Common Test Based on Whole Syllabus = 10M

For 25 Marks Internal (Practical) – Mini Project = 10M, Record = 05M, Skill Test=05M, Attendance and Performance=05M

For 50 Marks College Level Theory – Exam =40M, Assignment=10M

OE-I Assessment – Certificate Submission – 20M, Assignment Submission-20M, Viva-Voce-10M if Subject Choose from GOEC Basket then 40marks paper and 10marks Assignment should be conducted on College Level

*Faculty wise basket other than faculty core subject.

Internship will be conducted after Ist semester till Vth semester in vacations for minimum 60 hrs. It’s 2 credits will be reflected in final semester credit grade report.

Sant Gadge Baba Amravati University Amravati

B.Sc. Biotechnology (Semester-II) NEP-AEDP

Sr. No	Type	Subject Code	Subject	Teaching and Learning Scheme					Duration of Exam Hrs	Examination and Evaluation Scheme							
				Teaching Period per week				Credits		Maximum Marks				Total marks	Minimum passing Marks		
				L	T	P	Total Hrs			External		Internal			External	Internal	Total
										Th	Pr	Th	Pr				
1	AEC	N2BT1	Communication Skills	1	1	-	02	02	02	30	-	20	-	50	12	08	20
2	Core	N2BT2	Basics of Molecular Biology	3	-	-	03	03	03	50	-	30	-	80	20	12	32
3	Core	N2BT3	Bioenergetics and Metabolism	3	-	-	03	03	03	50	-	30	-	80	20	12	32
4	Core	N2BT4	Plant tissue culture	3	-	-	03	03	03	50	-	30	-	80	20	12	32
5	SEC/LAB	N2BT5	Molecular biology-LAB	-	-	3	06	03	-	-	25	-	25	50	10	10	20
6	SEC/LAB	N2BT6	Metabolism –LAB	-	-	3	06	03	-	-	25	-	25	50	10	10	20
7	SEC	N2BT7	Plant tissue Culture LAB	2	-		02	02	02	30	-	20	-	50	12	08	20
8	VAC	N2DA8	Bio Ethics	2	-	-	02	02	02	Department Level Theory				50	-	20	20
9	OE-II	N2DA9	MOOCS/SWYAM/NEPTEL/ GOEC Basket Courses*	-	-	1	02	01		Department Assessment				50	-	20	20
10	Assessment Hours						06										
	TOTAL						35	22					540				
Sem -II Total Credit			22		Total Marks			540									

Internal Assessment Guidelines

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For 20 Marks Internal (Theory) – Test 1 = 05M , Test 2 = 05M, Common Test Based on Whole Syllabus = 10M

For 25 Marks Internal (Practical) – Mini Project = 10M, Record = 05M, Skill Test=05M, Attendance and Performance=05M

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