

BOTANY

Program Name	Program Code	Name of the Course that includes experimental learning through project work/field work/internships	Course Code	Year of Offering	Name of the Student studied course on experimental learning through project work/field work/internships	Marks	Title of the project
B. SC. BOTANY MAJOR	BOTM	5th & 6th Semester	BOTMP - 605	2020 - 2021	Kaushik Kumar Mech,	14	Study of Stomatal Index of some species of family Malvaceae
B. SC. BOTANY MAJOR	BOTM	5th & 6th Semester	BOTMP - 605	2020 - 2021	Chinmoyee Chakraborty,	13	Study of Stomatal Index of some species of family Malvaceae
B. SC. BOTANY MAJOR	BOTM	5th & 6th Semester	BOTMP - 605	2020 - 2021	Kushal Darig	13	Study of Stomatal Index of some species of family Malvaceae
B. SC. BOTANY MAJOR	BOTM	5th & 6th Semester	BOTMP - 605	2020 - 2021	Niharika Dutta	12	Study of Stomatal Index of some species of family Malvaceae
B. SC. BOTANY MAJOR	BOTM	5th & 6th Semester	BOTMP - 605	2020 - 2021	Nitupol Chetia	9	Study of Stomatal Index of some species of family Malvaceae
B. SC. BOTANY MAJOR	BOTM	5th & 6th Semester	BOTMP - 605	2020 - 2021	Bikash Thanglien,	14	Diversity of Citrus species in Sivasagar District

B. SC. BOTANY MAJOR	BOTM	5th & 6th Semester	BOTMP - 605	2020 - 2021	Aadit Singh,	13	Diversity of Citrus species in Sivasagar District
B. SC. BOTANY MAJOR	BOTM	5th & 6th Semester	BOTMP - 605	2020 - 2021	Taslina Narsin Bora,	14	Diversity of Citrus species in Sivasagar District
B. SC. BOTANY MAJOR	BOTM	5th & 6th Semester	BOTMP - 605	2020 - 2021	Jyoti Koiri	13	Diversity of Citrus species in Sivasagar District
B. SC. BOTANY MAJOR	BOTM	5th & 6th Semester	BOTMP - 605	2020 - 2021	Bishal Chetia	9	Diversity of Citrus species in Sivasagar District
B. SC. BOTANY MAJOR	BOTM	5th & 6th Semester	BOTMP - 605	2020 - 2021	Pragyan Chetia	9	Diversity of Citrus species in Sivasagar District
B. SC. BOTANY MAJOR	BOTM	5th & 6th Semester	BOTMP - 605	2020 - 2021	Bikash Singh	14	Diversity of Zingiberaceae in Gargaon Area of Sivasagar, Assam
B. SC. BOTANY MAJOR	BOTM	5th & 6th Semester	BOTMP - 605	2020 - 2021	Monuranjan Gogoi	12	Diversity of Zingiberaceae in Gargaon Area of Sivasagar, Assam
B. SC. BOTANY MAJOR	BOTM	5th & 6th Semester	BOTMP - 605	2020 - 2021	Farhana Ahmed	10	Diversity of Zingiberaceae in Gargaon Area of Sivasagar, Assam
B. SC. BOTANY MAJOR	BOTM	5th & 6th Semester	BOTMP - 605	2020 - 2021	Akulina Chetia	13	Diversity of Zingiberaceae in Gargaon Area of Sivasagar, Assam

B. SC. BOTANY MAJOR	BOTM	5th & 6th Semester	BOTMP - 605	2020 - 2021	Debabrat Chutia	12	Diversity of Zingiberaceae in Gargaon Area of Sivasagar, Assam
B. SC. BOTANY MAJOR	BOTM	5th & 6th Semester	BOTMP - 605	2020 - 2021	Ayan Dutta Das	9	Diversity of Zingiberaceae in Gargaon Area of Sivasagar, Assam
B. SC. BOTANY MAJOR	BOTM	5th & 6th Semester	BOTMP - 605	2020 - 2021	Bibhuti Buragohain	13	Plant species used in traditional rice beer by local tribes within Sivasagar district, Assam
B. SC. BOTANY MAJOR	BOTM	5th & 6th Semester	BOTMP - 605	2020 - 2021	Mrinmoy Manab Mahanta	9	Plant species used in traditional rice beer by local tribes within Sivasagar district, Assam
B. SC. BOTANY MAJOR	BOTM	5th & 6th Semester	BOTMP - 605	2020 - 2021	Akash Deep Dutta,	9	Plant species used in traditional rice beer by local tribes within Sivasagar district, Assam
B. SC. BOTANY MAJOR	BOTM	5th & 6th Semester	BOTMP - 605	2020 - 2021	Jahnabi Changmai,	13	Plant species used in traditional rice beer by local tribes within Sivasagar district, Assam
B. SC. BOTANY MAJOR	BOTM	5th & 6th Semester	BOTMP - 605	2020 - 2021	Rangina Khan	14	Plant species used in traditional rice beer by local tribes within Sivasagar

							district, Assam
B. SC. BOTANY MAJOR	BOTM	5th & 6th Semester	BOTMP - 605	2020 - 2021	Pankaj Nayan Dutta	13	Plant species used in traditional rice beer by local tribes within Sivasagar district, Assam
B. SC. BOTANY MAJOR	BOTM	5th & 6th Semester	BOTMP - 605	2020 - 2021	Ankshuman Buragohain	9	Plant species used in traditional rice beer by local tribes within Sivasagar district, Assam

**BOTANY MAJOR
BOTMP- 605**

Marks: 80(52End+13IA), Project work 15

A. Molecular Biology and Immunology

1. Preparation of ball and stick model of Nucleolides.
2. Detection/Estimation of RNA/DNA
3. Study of antimicrobial activity (inhibition zone) of various plant extract of economic importance.

B. Biophysics and Bioinformatics:

1. Application of different microscopes in biological studies.
2. Separation techniques.
3. Different e-resources and database search.
4. Similarity search in sequence such as BLAST / FASTA.
5. Submission of charts and models etc.

*****PROJECT WORK:** **Topic of the Project work may be given in the Semester-V and repor should have scientific investigation and outcome with statistical analysis of data (where necessary). The same have to be presented in the headings: Title, Introduction, Objective, Materials & Methods, Results, Conclusion and References. The project will be evaluated in Semester-VI with the paper BOTMP-605. Separate project preferably be given to each student.*

SCHEME OF THE PRACTICAL EXAMINATION:

Time: 6 hrs.	Marks: 52+15=67
1. Molecular Biology	12
2. Immunology	8
3. Biophysics	10
4. Bioinformatics	10
5. Practical record book	7
6. Viva-Voce	5
***Project	15
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	Total 52
	15

	67

CERTIFICATE

Certified that the project work entitled "*Study of Stomatal Index of some species of family Malvaceae*" carried out by Kaushik Kumar Mech, Chinmoyee Chakraborty, Kushal Darig, Niharika Dutta and Nitupol Chetia, in partial fulfilment for the award of Bachelor of Science in Botany during the year 2020 - 2021. It has been found to be satisfactory and hereby approved for the submission.



Signature of project guide

CERTIFICATE

Certified that the project work entitled "*Diversity of Citrus species in Sivasagar District*" carried out by Bikash Thanglien, Aadit Singh, Taslima Narsin Bora, Jyoti Koiri, Bishal Chetia and Pragyan Chetia, in partial fulfilment for the award of Bachelor of Science in Botany during the year 2020 - 2021. It has been found to be satisfactory and hereby approved for the submission.



Signature of project guide

YEAR-2021

CERTIFICATE

Certified that the project work entitled "*Diversity of Zingiberaceae in Gargaon Area of Sivasagar District, Assam*" carried out by Bikash Singh, Monuranjan Gogoi, Farhana Ahmed, Akulina Chetia, Debabrat Chutia and Ayan Dutta Das, in partial fulfilment for the award of Bachelor of Science in Botany during the year 2020 - 2021. It has been found to be satisfactory and hereby approved for the submission.



Signature of project guide

CERTIFICATE

Certified that the project work entitled "*Plant species used in Traditional Rice Beer by local tribes within Sivasagar District, Assam*" carried out by Bibhuti Buragohain, Mrinmoy Manab Mahanta, Akash Deep Dutta, Jahnabi Changmai, Rangina Khan and Pankaj Nayan Dutta, in partial fulfilment for the award of Bachelor of Science in Botany during the year 2020 - 2021. It has been found to be satisfactory and hereby approved for the submission.



Signature of project guide