



Majuli College

(Affiliated to Dibrugarh University)

Kamalabari, Majuli, Assam

PIN: 785106

Supporting Documents for NAAC Self Study Report (SSR)

(3rd Cycle)

Period: 2017-2022

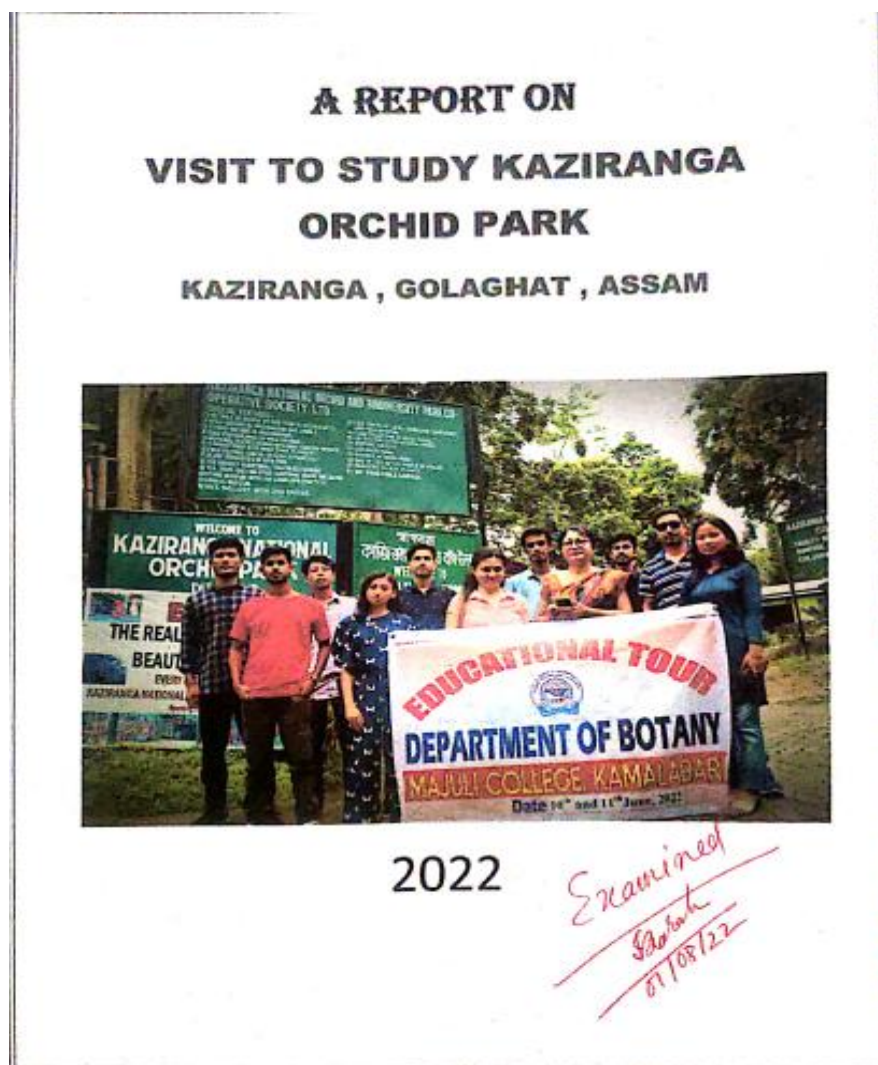
<i>Criterion 1</i>		<i>Key Indicator 1.3</i>	
Curricular Aspects		Curriculum Enrichment	
<i>Metric Number:</i> <i>1.3.2</i>	Percentage of students undertaking project work/field work/ internships		

Prepared and Submitted by

Majuli College

Sample of Project Work/Field Work/Internship Completion Certificates

Department of Botany



REPORT ON

Visit three naturally rich satras of
Majuli. and Study about their ecology,
life style, different Kinds of plants etc.



2022

Examined
Borah
01/08/2022

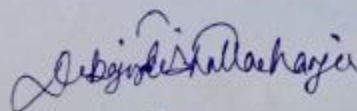
Department of Chemistry

CERTIFICATE

This is to certify that the report on the project entitled "*Industrial waste water and its treatment*" is a bonafide record of the work carried out by **Suny Prasad Saikia** (Roll no: 16920032) under my supervision and guidance towards the partial fulfillment of requirement for the award of the degree of Bachelor in Science at Majuli College, Majuli (affiliated to Dibrugarh University). To the best of my knowledge, the matter embodied in this project report has not been submitted to any other university or institute for the award of any degree.

Place: Kamalabari

Date: 20.09.2021



Signature of the supervisor

Department of Chemistry
Majuli College, Kamalabari, Assam

MAJULI COLLEGE
DEPARTMENT OF CHEMISTRY, KAMALABARI, MAJULI



TO WHOM IT MAY CONCERN

This is to certify that the project entitled "WATER ANALYSIS" for project work of Majuli College, Kamalabari is carried out by NIKUMONI DOLEY, Roll-No-19620032, in the partial fulfilment for the award of the degree of Bachelor of Science (Chemistry) of Majuli College, Dibrugarh University, during the year 2021-22. It is to certify that all the corrections and suggestions for the internal assessment has been approved as it satisfied all the academic requirements with respect to project work prescribed for the Bachelor of Science Chemistry (BSC).



I wish her all success in her future endeavors.

Head of the Department

Mr. Ajit Saikia

Dept. of Chemistry (BSC)

Department of Education

	<p>DEPARTMENT OF EDUCATION MAJULI COLLEGE P.O. KAMALABARI, DIST: MAJULI : PIN : 785106 Estd : 1969-70 TeloFax : 03775-273359 e-mail : majulicollege@gmail.com</p>
<p>Faculty Mrs. Smriti Konwar, MA Associate Professor HOD, Dept of Education Ms. Pronita Rajkhowa , MA, M. Phil Assistant professor Mr. Bijay Timung, MA Assistant Professor Ms. Purabi Saikia, MA Assistant professor</p>	<p>Memo No: 602/EDNH/20 Date: 21/05/2020</p>
	<p>CERTIFICATE This is to certify that <u>Sni Janjan Das</u> student of Education (Major) Department of Majuli College, Kamalabari has participated in the Field Study on <u>15-05-2020</u> to <u>16-05-2020</u></p>
	<p> Associate Professor and HOD, Dept. Education, Majuli College, Kamalabari Estd-1969 Department of Education Majuli College</p>



**DEPARTMENT OF EDUCATION
MAJULI COLLEGE, KAMALABARI**

Kamalabari, P.O. Kamalabari, Dist. Majuli-785106
Estd. 1962



FACULTY

Memo No. DEEDU/64/22

Date: 27.5.22

Ms. Pronita Rajkhowa,
M.A. M.Phil.
Assistant Professor &
HOD

Mr. Bijoy Timung,
M.A., B.Ed.
Assistant Professor

Ms. Sudarshana
Phukan, M.A., B.Ed.
Assistant Professor

Ms. Rinkumoni Das,
M.A.
Guest Faculty

BEARER
Shri Nagen Saikia



CERTIFICATE

This is to certify that Trishna Das student
of Education (Major/Honors) Department of Majuli College, Kamalabari has
participated in the Project report on Accompaniment Study of teachers
problem in Shalmora Higher Secondary
School and Natun Kamalabari Village primary
School


HOD

Department of Education
Majuli College

(Dr. Debabhuson Borah)

Coordinator

IQAC, Majuli College

Co-ordinator

IQAC

Majuli College, Kamalabari




(Dr. Debabhuson Borah)

**PRINCIPAL
MAJULI COLLEGE
KAMALABARI**



OFFICE OF THE PRINCIPAL
MAJULI AUNLATI HEM CHANDRA HIGHER SECONDARY SCHOOL
P.O: KAMALABARI DIST: MAJULI
ESTD 1924

Date: 15/06/2023

From: Jagat Jyoti Satola
Principal, i/c.
Mobile No: 9508177714

E-Mail: jagatjyotisatola1967@gmail.com

Certificate of Internship Programme

This is to certify that 4th sem. (B) Session 2022-23, a student of Majuli College, Kamalabari, 785306, Majuli, has successfully completed the Internship Program at our institution. This program consisted of practical training and final teaching sessions, providing valuable exposure to the teaching profession. During the internship period actively participated in various teaching activities and demonstrated a strong commitment to their role. They exhibited excellent instructional skills, creative teaching methods and a deep understanding of pedagogical techniques.

We extend our gratitude for their valuable contributions during the internship period and wish them the very best in all their future endeavours.

The Following students were attended in the program from 04/05/2023-12/05/2023

Sl. No.	Name Of Student	Total classes taken by students
1	MAHANANDA HAZARKA	12
2	DIGANTA MUJOO	07
3	DIPANKAR DUTTA	14
4	SEWALI KAMAN	08
5	RITURAJ BORAH	10
6	SUKHI HAZARKA	08
7	ROBIN DOLEY	07
8	TIRSHAN KUMBANG	14
9	SUMI DAS	08
10	NITUL BORUAH	10
11	CHENMOY BHUYAN	10
12	PROBINA BORUAH	12
13	POMPI GAYAN	10
14	CHIRI SARGA	10
15	MANJUMONI DUTTA	13
16	GAYATEI BORAH	11
17	SWAPNALI BORAH	09
18	TRIDISHA DUWARI	07
19	KAKUMONI BORAH	11
20	KABE BHUYAN	10
21	PORESHMITA BORDOLOI	11
22	PRONITA REGON	08
23	GAYATEI KALITA	13
24	MHRDUSHMITA DOLEY	13
25	SILPI SHIKHA DAS	08
26	PRADWALITA SHARMA	10
27	BORNALI DUTTA	10

Principal

Mr. Jagat Jyoti Satola
Majuli Aunlati Hem Chandra H.S. School

Kamalabari
Majuli A.H.C.H.S. School
P.O. Kamalabari, Majuli

(Dr. Debabhuson Borah)

Coordinator

IQAC, Majuli College
Co-ordinator
IQAC

Majuli College, Kamalabari



(Dr. Debajit Saikia)
PRINCIPAL
MAJULI COLLEGE
KAMALABARI

Kamalabari
Majuli College



OFFICE OF THE PRINCIPAL
MAJULI AUNIATI HEM CHANDRA HIGHER SECONDARY SCHOOL
P.O: KAMALABARI DIST: MAJULI
ESTD: 1926

Date: 04/10/2018

From: Jagat Jyoti Satola
Principal, i/c.
Mobile No: 9508177714

E-Mail: jagatjyotisatola1967@gmail.com

Certificate of Internship Programme

This is to certify that 5th sem. Education (B) Session 2018-19, a student of Majuli College, Kamalabari, 785106, Majuli, has successfully completed the Internship Program at our institution. This program consisted of practical training and trial teaching sessions, providing valuable exposure to the teaching profession. During the internship period actively participated in various teaching activities and demonstrated a strong commitment to their role. They exhibited excellent instructional skills, creative teaching methods and a deep understanding of pedagogical techniques.

We extend our gratitude for their valuable contributions during the internship period and wish them the very best in all their future endeavours.

The Following students were attended in the program from 24/09/2018-04/10/2018

Sl. No.	Name Of Name	Total classes taken by students
1	BIKASH PEGU	15
2	RUPJYOTI MEDHI	15
3	MITHUN SARKAR	15
4	PADUM DAS	14
5	LAKSHYABRA DAS	15
6	ANIMA HALDAR	15
7	RUPALI MEDHI	15
8	DHARITRY PEGU	15
9	NITUMONI MUKTIAR	16
10	PRIYAKSHI KHOUND	15

Principal

Mr. Jagat Jyoti Satola
Principal, i/c.
Majuli Auniati Hem Chandra HS School
P.O. Kamalabari - 785106

(Dr. Debabhuson Borah)

Coordinator

IQAC, Majuli College

Co-ordinator

IQAC

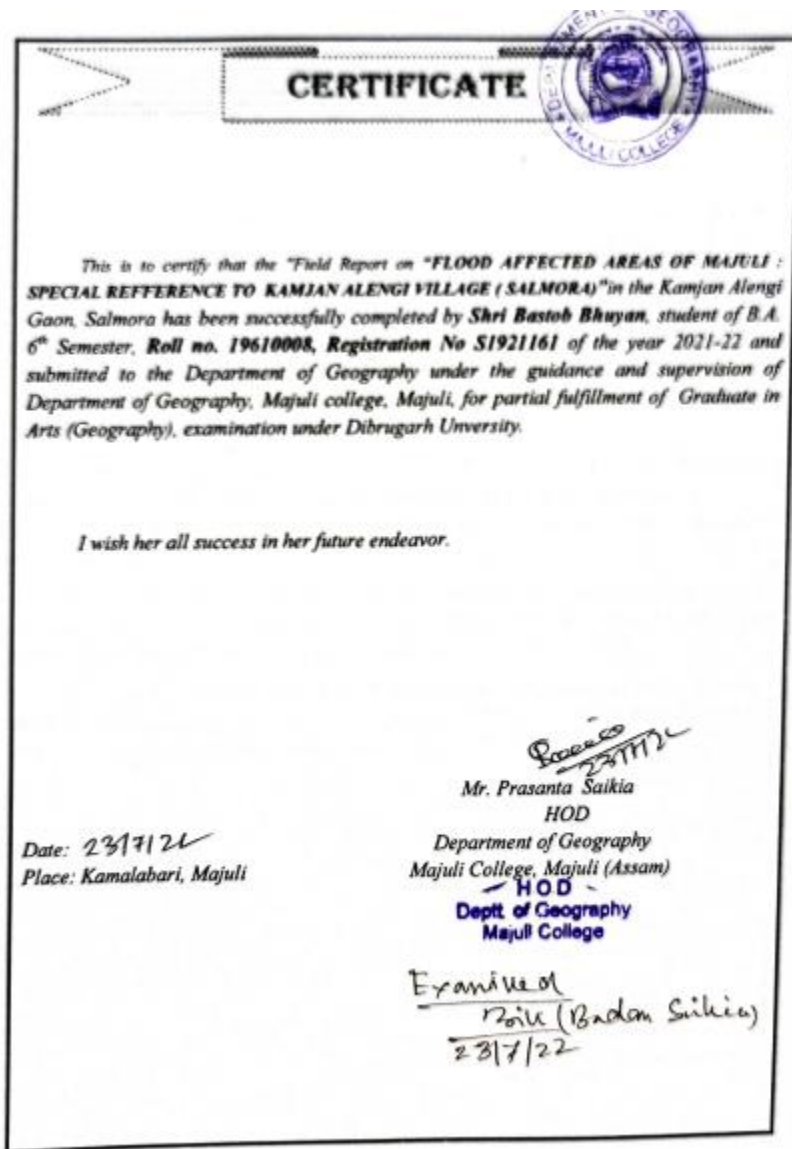
Majuli College, Kamalabari



(Dr. Debabhuson Borah)

PRINCIPAL
MAJULI COLLEGE
KAMALABARI

Department of Geography



CERTIFICATE

This is to certify that the "Field Report on FLOOD AFFECTED AND BANK EROSIONS AREA OF MAJULI : SPECIAL REFERENCE TO BOTIYAMARI VILLAGE in the Botiyamari gaon has been successfully completed by Jamuna Boruah, student of U.G 6th Semester, Roll no. 16310117, Registration No S2023098 of the year 2022-23 and submitted to the Department of Geography under the guidance and supervision of Majuli college, Majuli, for partial fulfillment of Graduate in Arts (Geography), examination under Dibrugarh University.

I wish her all success in her future endeavor.



HOD

Prasanta Saikia

Department of Geography

Majuli College, Majuli (Assam)

Date: 30/5/23

Place: Kamalabari, Majuli

Examined
Roll
30/5/2023

Department of Physics

CERTIFICATE

It is to certify that Shiri / Miss Rakim Saikia,
Roll 163, No 20035 of Bsc 6th Semester, has conducted
project on "**SOLAR MOBILE CHARGER**", Phsyics, under my
supervission andd guuidance. She/He has successfully conducted the
project upto my satisfaction.

Done
04/05/2023
Dr. Madhabi Devi
(Signature of the H.O.D)
Department of Physics
Majuli College

Place: *Majuli college*
Date: *04/05/2023*

Department of Zoology

2

Dr. Pollobi Duara, M.Sc. Ph.D.

Head of the Department Zoology, Majuli College

Kamalabari, Majuli, Pin: 785106, Estd: 1962

Under Dibrugarh University, Assam, India.



CERTIFICATE

This is to certify that Sri/Miss Sibya Jyoti Pachani, Roll no. 52006009, Regd. No. 16320010, of Zoology Dept. Majuli college has completed his/her project work on "Drosophila Culture" under my guidance and supervision which is being submitted for partial fulfillment of Zoology practical paper code ZC613P (Honours) under Dibrugarh University.

This projects works is the results of his/her own investigation on the subject. I wish him/her success in life.

P.D.
25.05.23

Place Majuli Collage

Dr. Pollobi Duara

Date. 25-05-2023

DEPARTMENT OF ZOOLOGY

MAJULI COLLEGE

MAJULI- 785106, ASSAM, INDIA

Dr. Anup Kumar Doley, MSc, PhD

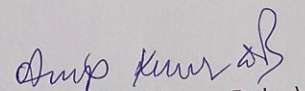
ph:- 9954430700

Department of Zoology, Majuli College

CERTIFICATE

This is to certify that the field report entitled "A field study of Padmaja Naidu Himalayan Zoological Park, Darjeeling, West Bengal" Submitted For Partial Fulfillment as the requirement of Syllabus in under graduation by Sanjib Rajkhowa, ROLL NO:-042, Redg.NO:- 21 06616 under my supervision during the academic session, December-January 2021-2022.

Date- 18-03-2022


(Dr. Anup Kumar Doley)

Asst. Professor, Dept. Of Zoology


Majuli College

Majuli, Assam.

Skill Enhancement Course (SEC)

National Service Scheme (NSS)

NSS PROJECT



**Submitted to
Dr. Arup Buragohain
Majuli College
Kamalabari**

*Submitted by-
Madhujya Medhi*

Roll No : 30720016

Class: B.Sc 3rd Semester

Session : 2022-23

Department of Chemistry

*Examined
A. Bhunia
11/6/2023*

Skill Enhancement Course (SEC)

Sericulture



Samples of the Project Work/Field Work/Internship

Department of Botany

A REPORT ON VISIT TO STUDY KAZIRANGA ORCHID PARK KAZIRANGA , GOLAGHAT , ASSAM



2022

*Examined
Ghorak
01/08/22*

DEPARTMENT OF BOTANY

MAJULI COLLEGE



SUBMITTED TO

INDIRA BORAH
HOD Department of Botany,
Majuli College

Date: 30/07/2022
Place: Botany Dept

SUBMITTED BY

Name: Pankaj Chetoi
Roll No: 19620025
B.Sc 4th semester
Department of Botany, Majuli College
year: 2022

PHOTO PLATE:



THANK YOU


PHOTO GALLERY



Department of Chemistry

**A PROJECT REPORT
ON**

**INDUSTRIAL WASTE WATER AND ITS
TREATMENT**


DEPT. OF CHEMISTRY

Submitted by
Sri Suny Prakash Saikia
Roll No:- 16020032
B.Sc 6th Sem
Year :- 2020-2021

Under the guidance of
Prof.
1. Dr. Debajyoti Bhattacharjee
2. Dr. Leema Dutta

B.Sc. Project Report on
**Water Analysis of UTTAR
KAMALABARI SATRA**

For partial fulfilment of the requirements for the degree
of
Bachelor of Science
in
Chemistry

SUBMITTED BY

NIKUMONI DOLEY
Roll No. 19620032

UNDER THE SUPERVISION OF

Dr. Debajyoti Bhattacharjee




Submitted to:

DEPARTMENT OF CHEMSITRY
MAJULI COLLEGE
KAMALABARI
SESSION: 2021-2022

Department of Education

A FIELD STUDY REPORT
ON
ADOLESCENCE PROBLEMS AMONG BOY AND
GIRLS OF MAJGAON AND NAMKATANI GAON

A FIELD REPORT SUBMITTED IN PARTIAL FULFILLMENT
OF THE REQUIREMENT FOR DEGREE OF BECHALOR OF
ARTS IN EDUCATION
2020-2021



SUPERVISOR :
SMRITI KONWAR
PRONITA RAJKHOWA

INVESTIGATOR :
SRI TARJAN DAS
B.A. 6TH SEMESTER
REGISTRATION NO. S1705096
ROLL NO. - 18810073

**DEPARTMENT OF EDUCATION
MAJULI COLLEGE, KAMALABARI- 785106**

A Project Report On

Acomparative study of teachers problem in
Shalmora Higher Secandary School and Natun
Kamalabari Village Primary School

A project report submitted in Partial
Fulfilment of The Requirement For Degree
Bechalar Of Arts in Education

2022-2023



Supervisor:



Ms. Pronita Rajkhowa
Mr. Bijoy Timung
Ms. Sudarshana Phukan

Investigator:

Miss Trishna Das
B.A 6th Semester
Registration No: S2023262
Roll No: 16310201

Department of Education
Majuli College, Kamalabari-785106

Department of Geography



A
PROJECT REPORT
ON

**FLOOD AFFECTED AREAS OF MAJULI:
SPECIAL REFERENCE TO KAMJAN ALENGI
VILLAGE (SALMORA)**

SUBMITTED IN PARTIAL FULLFILLMENT OF REQUIRIMENT FOR THE DEGREE OF

**BACHELOR OF ARTS
(6TH SEMESTER)
DEPARTMENT OF GEOGRAPHY, MAJULI COLLEGE
UNDER
DIBRUGARH UNIVERSITY
SESSION 2021-2022**

GUIDED BY:
**MR. PRASANTA SAIKIA
HOD, DEPARTMENT OF
GEOGRAPHY, MAJULI
COLLEGE**

SUBMITTED BY:
**BASTOB BHUYAN
Roll No: 19610008
Registration No: S1921161
BA 6th Semester
Department of Geography, Majuli College
Under
Dibrugarh University**



PROJECT REPORT
ON
**FLOOD AFFECTED AREAS AND BANK
EROSION MAJULI:**

SPECIAL REFERENCE TO BOTIYAMARI VILLAGE

SUBMITTED IN PARTIAL FULLFILLMENT OF REQRIMENT FOR THE DEGREE OF

**BACHELOR OF ARTS
(6TH SEMESTER)**

DEPARTMENT OF GEOGRAPHY, MAJULI COLLEGE

**UNDER
DIBRUGARH UNIVERSITY
SESSION 2022-2023**

Handwritten signature of Jamuna Boruah

GUIDED BY:

**MR. PRASANTA SAIKIA
HOD, DEPARTMENT OF
GEOGRAPHY, MAJULI
COLLEGE**

SUBMITTED BY

JAMUNA BORUAH

11 Page

Department of Physics



Majuli College, Kamalabari.

Physics Project on Solar Mobile Charger.

Submitted to :

Department of Physics

Guided by:

Mr. Kangkan Bordoloi

Submitted by :

Raktim Saikia.

Roll no : 16320035

6th Semester.

Paper code : DSEPH64

Year: 2023

Department of Zoology

1

PROJECT REPORT

ON DROSOPHILA CULTURE

*Submitted to the Department
Of Zoology, Majuli College
As a part of ZC613P syllabus*



SUPERVISED BY : Dr. Pollobi Duara
(Head of the Department of Zoology, Majuli College)

SUBMITTED BY

Dibya Jyoti Pachani B.Sc. 6th Semester

Roll No :16320010

Regd. No :S2006009

MAJULI COLLEGE, KAMALABARI - 785106

*P.D.
25.05.23*

MAJULI COLLEGE



Project

To study about larval forms and adult stages of mollusca.

Under The Guidance of

Prof, Dr. Anup Kr. Doley
M.sc, Ph.D

Senior Professor of Zoology Dept. Majuli College



SUBMITTED TO

Name : Achinta Saikia

Regd No : S2205219

Roll No : 16320002

Course Code : 3C2030

Dept. of Zoology (H)

2nd Semester, Majuli College

Examined
01/06/2022

(Dr. Debabhuson Borah)

Coordinator

IQAC, Majuli College

Co-ordinator

IQAC

Majuli College, Kamalabari




(Dr. Debasit Saikia)

PRINCIPAL
MAJULI COLLEGE
KAMALABARI

Skill Enhancement Course (SEC)

National Service Scheme (NSS)

NSS PROJECT



SUBMITTED TO
DR. ARUP BURA GOHAIN
DEPARTMENT OF ASSAMESE
MAJULI COLLEGE

*Examined
@ Gohain
16/12/2022*

SUBMITTED BY
MISS LAKHIMAI PAYENG
ROLL No: 102
SUB: ACCE (N.S.S)
B.A 3RD SEMESTER
SESSION: 2022-23

NSS PROJECT



SUBMITTED TO
Dr. Arup Buragohain
Majuli College
Kamalabari

Examined
Arup
16/12/2022

Submitted By
BISWAJIT KUTUM
Class- B.SC 3rd Sem
Roll No- 004
Chemistry Department
Session- 2022/23

Skill Enhancement Course (SEC)

Sericulture



Programme / Curriculum/ Syllabus of the Courses that Include Project Work/Field Work/Internship

Department of Botany

Unit 6: Fossil plants

Process of fossilization; Early land plants (*Psilophyton* and *Rhynia*), Cycadeoidea, *Sphenophyllum*

Course Code: BC204P

Core Course IV - Practical: Archegoniate

1. *Riccia* – Morphology of thallus.
2. *Marchantia*- Morphology of thallus, whole mount of rhizoids & Scales, vertical section of thallus through Gemma cup, whole mount of Gemmae (all temporary slides), vertical section of Antheridiophore, Archegoniophore, longitudinal section of Sporophyte (all permanent slides).

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- ✓ 3. *Anthoceros*- Morphology of thallus, dissection of sporophyte (to show ston spores, pseudocylinders, columella) (temporary slide), vertical section of thallus (permanent slide).
- ✓ 4. *Pellia, Foveella*- Permanent slides.
- ✓ 5. *Sphagnum*- Morphology of plant, whole mount of leaf, rhizoids, operculum, peristome, annulus, sp (temporary slides); permanent slides showing antheridial and archegonial heads, longitudinal section of capsule and protonema.
- ✓ 6. *Funaria*- Morphology, whole mount of leaf, rhizoids, operculum, peristome, annulus, sp (temporary slides); permanent slides showing antheridial and archegonial heads, longitudinal section of capsule and protonema.
- ✓ 7. *Polypodium*- Morphology of thallus, dissection of sporophyte
- ✓ 8. *Psilotum*- Study of specimen, transverse section of synangium (permanent slide).
- ✓ 9. *Selaginella*- Morphology, whole mount of leaf with ligule, transverse section of stem, whole mount of strobilus, whole mount of microsporophyll and megasporophyll (temporary slide)
- ✓ 10. *Equisetum*- Morphology, transverse section of internode, longitudinal section of strobilus, transverse section of strobilus, whole mount of sporangium, whole mount of spores (wet and dry) (temporary slide), transverse section of rhizome (permanent slide).
- ✓ 11. *Cycas*- Morphology (coralloid roots, bulbil, leaf), whole mount of microsporophyll, transverse section of coralloid root, transverse section of rachis, vertical section of leaf, vertical section of microsporophyll, whole mount of spores (temporary slides), longitudinal section of ovule, transverse section of root (permanent slide).
- ✓ 12. *Pinus*- Morphology (long and dwarf shoots, whole mount of dwarf shoot, male and female cones), transverse section of Needle, transverse section of stem, longitudinal section of stem, transverse section of male cone, whole mount of microsporophyll, whole mount of microspores (temporary slides), longitudinal section of female cone, tangential longitudinal section & radial longitudinal sections stem (permanent slide).
- ✓ 13. *Ginkgo*- Morphology (stem, male & female cones), transverse section of stem, vertical section of ovule (permanent slide)
- ✓ 14. *Gnetum*- Morphology (stem, male & female cones), transverse section of stem, vertical section of ovule (permanent slide)
15. Botanical excursion.

Suggested Readings

1. Vashistha, P.C., Sinha, A.K., Kumar, A. (2010). Pteridophyta. S. Chand, Delhi, India.
2. Bhattacharya, S.P. & Moitra, A. (1996). Gymnosperms. New Age International (P) Ltd Publishers, New Delhi, India.
3. Parihar, N.S. (1991). An introduction to Embryophyta: Vol. I. Bryophyta. Central Book Depot, Allahabad.
4. Raven, P.H., Johnson, G.B., Losos, J.B., Singer, S.R. (2005). Biology. Tata McGraw Hill, Delhi.
5. Vanderpoorten, A. & Goffinet, B. (2009) Introduction to Bryophytes. Cambridge University Press.

(Dr. Debabhuson Borah)

Coordinator

IQAC, Majuli College

Co-ordinator

IQAC

Majuli College, Kamalabari



(Dr. Debajit Saikia)

PRINCIPAL
MAJULI COLLEGE
KAMALABARI

Course Code: BC409P
Core Course IX - Practical: Plant Ecology and Phytogeography

1. Study of instruments used to measure microclimatic variables: Soil thermometer, maximum and minimum thermometer, anemometer, psychrometer/hygrometer, rain gauge and lux meter.
2. Determination of pH of various soil and water samples (pH meter, universal indicator/Lovibond comparator and pH paper)
3. Analysis for carbonates, chlorides, nitrates, sulphates, organic matter and base deficiency from two soil samples by rapid field tests.
4. Determination of organic matter of different soil samples by Walkley & Black rapid titration method.
5. Comparison of bulk density, porosity and rate of infiltration of water in soils of three habitats.
6. Determination of dissolved oxygen of water samples from polluted and unpolluted sources.
7. (a). Study of morphological adaptations of hydrophytes and xerophytes (four each).
 (b). Study of biotic interactions of the following: Stem parasite (*Cuscuta*), Root parasite (*Orobanch*) Epiphytes, Predation (Insectivorous plants).
8. Determination of minimal quadrat size for the study of herbaceous vegetation in the college campus, by species area curve method (species to be listed).
9. Quantitative analysis of herbaceous vegetation in the college campus for frequency and comparison with Raunkiaer's frequency distribution law.
10. Quantitative analysis of herbaceous vegetation for density and abundance in the college campus.
11. Field visit to familiarise students with ecology of different sites.

Euphorbiaceae, Orchidaceae

Course Code: BC410P
Core Course X - Practical: Plant Systematics

Practical

1. Study of vegetative and floral characters of the following families (Description, V.S. flower, section of ovary, floral diagram/s, floral formula/e and systematic position according to Bentham & Hooker's system of classification):
 Locally available plants of the following families-
 Magnoliaceae, Brassicaceae, Apiaceae, Asteraceae, Solanaceae, Lamiaceae,
 Euphorbiaceae, Zingiberaceae, Orchidaceae, Poaceae
2. Field visit (local) – Subject to grant of funds from the university.
3. Mounting of a properly dried and pressed specimen of any wild plant with herbarium label (to be submitted in the record book).

Department of Chemistry

Paper: MM 608
Project Work
Marks 40 (32+8Int)

In the final semester (Semester VI), students have to carry out project work either at their respective colleges or any other R & D laboratory and University (private, public and govt.) under guidance of a faculty member. The student may start their project work during the Semester Break between 5th and 6th semester.

(Some laboratory work related to Project Work may also be performed during the Semester break between 4th and 5th Semester, if the situation related the lab facility demands).

The area of the work is to be decided by the advisor.

On completion of the project work students have to submit the work in the form of a dissertation followed by oral presentation in the presence of faculty member and an external expert.

Marks 22

Viva voce
Internal assessment
Additional Recommended Books

Marks 10
Marks 8

CHEMISTRY
(Honours)
(6th Semester)
Course No.: CHEMISTRY-DSE-603
Dissertation
(Project Work)

Full Marks-100[Dissertation (80) Internal Assessment (20)]

(Credit-6)

Objective of the Course: To develop the written and verbal communication. To present information in a clear and effective manner, to write report in a scientific style and to solve scientific problems.

Expected Learner Outcome: Students will gain an understanding of: —

- Communication effectively, verbally and written for the purpose of conveying chemical information to both professional scientist and to the public.
- Availability of instrument for conducting specific, scientific research

In this paper students have to carry out project work (Laboratory experiments or Comprehensive Review work on a specified topic) either at their respective colleges or any other R&D laboratory and UGC recognized University under guidance of a faculty member. The student may start their project work during the semester break between fifth and sixth semester.

The area of work is to be decided by the advisor.

On completion of the project work students have to submit the work in the form of a dissertation followed by oral presentation in the presence of faculty member and an external expert.

[Mark Distribution for evaluation of the Project Work]

A. Laboratory Experiment	
1. Literature Review	5 Marks
2. Objectives	5 Marks
3. Experimental work	25 Marks
4. Results & Discussions	25 Marks
5. Presentation and Viva	20 Marks
6. IA	20 Marks
B. Comprehensive Review	
1. Objective	5 Marks
2. Review	35 Marks

(Dr. Debabhuson Borah)

Coordinator

IQAC, Majuli College

Co-ordinator

IQAC

Majuli College, Kamalabari



(Dr. Debajit Saikia)
PRINCIPAL
MAJULI COLLEGE
KAMALABARI

Department of Education

SYLLABUS OF THE UG PROGRAMME IN EDUCATION
DIBRUGARH UNIVERSITY
B.A. IN EDUCATION (HONOURS)
DSEED604: PROJECT REPORT
CREDIT: 6
[MARKS: 100 (IN-SEMESTER: 20; END-SEMESTER: 80)]

Expected Learning Outcome: *After completion of this course, the student will be able to :*

1. explain the process of conducting a Project.
2. identify the problems for Educational Project.
3. solve problems faced in educational field through project.
4. prepare a project report.

Unit	Content	Marks	L	P	T
I	1.0 Introduction to the Project 1.1 Concept of Project 1.2 Characteristic of a good project 1.3 Steps of conducting a project <ul style="list-style-type: none">• Identification of Problem• Formulation of Objective• Preparation of Tools: Questionnaire, Rating Scale, Interview Schedule, Check list etc.• Selection of Sample• Collection of Data• Analysis and interpretation of data• Report Writing 1.4 Challenges of conducting a Project		10		

Department of Geography

Course C14

GGRM602T6: DISASTER MANAGEMENT BASED PROJECT WORK 84 Hours

(The main objective of the field work is to conduct an extensive survey over an area to evaluate the nature, intensity, frequency and impact of a Hazard/ disaster and suggesting possible mitigation measures)

	L	T	P
Unit –I: Disaster Management based Project work (Practical)	6	-	54
Unit- II : Field Survey	4	-	20

Reading List

1. Government of India. (1997) Vulnerability Atlas of India. New Delhi, Building Materials & Technology Promotion Council, Ministry of Urban Development, Government of India.
2. Kapur, A. (2010) Vulnerable India: A Geographical Study of Disasters, Sage Publication, New Delhi.
3. Modh, S. (2010) Managing Natural Disaster: Hydrological, Marine and Geological Disasters, Macmillan, Delhi.
4. Singh, R.B. (2005) Risk Assessment and Vulnerability Analysis, IGNOU, New Delhi. Chapter 1, 2 and 3
5. Singh, R. B. (ed.), (2006) Natural Hazards and Disaster Management: Vulnerability and Mitigation, Rawat Publications, New Delhi.
6. Sinha, A. (2001). Disaster Management: Lessons Drawn and Strategies for Future, New United Press, New Delhi.
7. Stoltman, J.P. et al. (2004) International Perspectives on Natural Disasters, Kluwer Academic Publications. Dordrecht.
8. Singh Jagbir (2007) "Disaster Management Future Challenges and Opportunities", 2007. Publisher- I.K. International Pvt. Ltd. S-25, Green Park Extension, Uphaar Cinema Market, New Delhi, India (www.ikbooks.com).

Department of Physics

Course Structure (Physics-Major)

Details of courses under B.Sc. (Honors)

Course	*Credits	
	Theory+ Practical	Theory + Tutorial
I. Core Course		
(14 Papers)	14X4= 56	14X5=70
Core Course Practical / Tutorial*		
(14 Papers)	14X2=28	14X1=14
II. Elective Course		
(8 Papers)		
A.1. Discipline Specific Elective	4X4=16	4X5=20
(4 Papers)		
A.2. Discipline Specific Elective		
Practical/Tutorial*	4 X 2=8	4X1=4
(4 Papers)		
B.1. Generic Elective/		
Interdisciplinary	4X4=16	4X5=20
(4 Papers)		
B.2. Generic Elective		
Practical/ Tutorial*	4 X 2=8	4X1=4
(4 Papers)		
<ul style="list-style-type: none"> • Optional Dissertation or project work in place of one Discipline Specific Elective paper (6 credits) in 6th Semester 		
III. Ability Enhancement Courses		
1. Ability Enhancement Compulsory		
(3 Papers of 2 credit each)	3 X 2=6	3X 2=6
Environmental Science		
English/MIL Communication		
2. Ability Enhancement Elective (Skill Based)		
(Minimum 2)	2 X 2=4	2 X 2=4
(2 Papers of 2 credit each)		
Total credit	142	142

Institute should evolve a system/policy about ECA/ General Interest/Hobby/Sports/NCC/NSS/related courses on its own.

* Wherever there is a practical there will be no tutorial and vice-versa

Department of Sociology

SOCM40100 P. 13
Social Survey, Research and Statistics Total Marks : 75

Objective : This paper aims at acquainting the students with conceptual meaning of Sociology of Development. Further it enables the students to understand the scope, models, aspects of Economic Development along with socio-economic planning.

Unit 1 ;	Social Survey and Social Research : Meaning, definition, Nature , Objective and Significance .	Classs-10	- 15 Marks
Unit-2 ;	Research Design : Meaning and Types: Descriptive, Exploratory, Experimental ; Formulation of Research Problem; Hypothesis: Meaning and Significance	-Class- 10	15 Marks
Unit- 3	Sampling Methods and Sources of Data : Meaning, Types, Importance, Application and data Analysis	-Class- 10	15 Marks
Unit- 4	Techniques of Data Collection and Statistics : Techniques : Observation, Questionnaire, Interview Schedule, Case Study, Tabulation and Interpretation of Data; Report writing : Meaning, Need and quality; Statistics in Social Research: Mean, Median, Mode, Standard Deviation and Correlation.	- Class- 10	15 Marks
Unit – 5 Field Work ; Based on Field Report and Viva-voce		-Class- 10	15 Marks

Text and Reference Books :

Goode, William J & Hatt : Methods in social research, Delhi, Mcgraw Hill Book Co, 1981
 Young, Pauline. V. : Scientific social survey and research, New Delhi, Prentice Hall of India, Pvt. Ltd, 1984
 Doley, D. : Smajik Gavesanar Pranali, Students Emporium, 1986, Dibrugarh
 Hazarika , D. : Samajik gavesanar Paddhawatee, Bani Mandir, Guwahati, 1996
 Ghosh, B.N. : Scientific Method and social Research, Sterling Publishers, Pvt. Ltd., New Delhi, 1982

5 COPIES - Dhiren Hazarika

Department of Zoology

Course Code: ZC101P
NON-CHORDATES I: PROTISTS TO PSEUDOCOELOMATES
(Credits 2)

PRACTICALS

1. Study of whole mount of *Euglena*, *Amoeba* and *Paramecium*, Binary fission and Conjugation in *Paramecium*
2. Examination of pond water collected from different places for diversity in Animal protista (Protozoa)
3. Study of *Sycon* (T.S. and L.S.), *Hyalonema*, *Euplectella*, *Spongilla*
4. Identification of museum specimen: *Obelia*, *Physalia*, *Millepora*, *Aurelia*, *Tubipora*, *Corallium*, *Alcyonium*, *Gorgonia*, *Metridium*, *Pennatula*, *Fungia*, *Meandrina*, *Madrepora* and One specimen/slide of any ctenophore
5. Study of adult *Fasciola hepatica*, *Taenia solium* and their life cycles (Slides/micro-photographs)
6. Study of adult *Ascaris lumbricoides* and its life stages (Slides/micro-photographs)
7. To submit a Project Report on any related topic based on theory syllabus.

Note: Classification to be followed from -Ruppert and Barnes (2006) *Invertebrate Zoology*, 8th edition, Holt Saunders International Edition

Course Code: ZC203P
(Credits 2)

PRACTICALS
NON-CHORDATES II: COELOMATES

1. Study of following specimens:
 Annelids - *Aphrodite*, *Nereis*, *Heteronereis*, *Sabella*, *Serpula*, *Chaetopterus*,
Pheretima, *Hirudinaria*
 Arthropods - *Limulus*, *Palamnaeus*, *Palaemon*, *Daphnia*, *Balanus*, *Sacculina*,
Cancer, *Eupagurus*, *Scolopendra*, *Julus*, *Bombyx*, *Periplaneta*, termites and honey
 bees Onychophora - *Peripatus*
 Molluscs - *Chiton*, *Dentalium*, *Pila*, *Doris*, *Helix*, *Unio*, *Ostrea*, *Pinctada*, *Sepia*,
Octopus, *Nautilus*
 Echinodermates - *Pentaceros/Asterias*, *Ophiura*, *Clypeaster*, *Echinus*, *Cucumaria* &
Antedon
2. Study of digestive system, septal nephridia and pharyngeal nephridia of earthworm
3. T.S. through pharynx, gizzard, and typhlosolar intestine of earthworm
4. Mount of mouth parts and dissection of digestive system and nervous system of *Periplaneta**
5. To submit a Project Report on any related topic to larval forms (crustacean, mollusc and echinoderm)

Note: Classification to be followed from -Ruppert and Barnes (2006) *Invertebrate Zoology*, 8th edition, Holt Saunders International Edition

SUGGESTED READINGS

Course Code: ZC613P
DEVELOPMENTAL BIOLOGY

(CREDITS 2)

PRACTICALS

1. Study of whole mounts and sections of developmental stages of frog through permanent slides: Cleavage stages, blastula, gastrula, neurula, tail-bud stage, tadpole (external and internal gill stages)
2. Study of whole mounts of developmental stages of chick through permanent slides: Primitive streak (13 and 18 hours), 21, 24, 28, 33, 36, 48, 72, and 96 hours of incubation (Hamilton and Hamburger stages)
3. Study of the developmental stages and life cycle of *Drosophila* from stock culture
4. Study of different sections of placenta (photomicrograph/ slides)
5. Project report on *Drosophila* culture/chick embryo development

SUGGESTED READINGS

- ☐ Gilbert, S. F. (2010). Developmental Biology, IX Edition, Sinauer Associates, Inc., Publishers, Sunderland, Massachusetts, USA
- ☐ Balinsky B. I. and Fabian B. C. (1981). An Introduction to Embryology, V Edition

Skill Enhancement Course (SEC)

National Service Scheme (NSS)

Dibrugarh University Syllabus of NSS (Skill Based Courses) at UG Level

Course Code : NSS01

Course Name : NSS and Youth Development

Objectives : The main objectives of this course are:

1. To help learners know about NSS in the context of youth, community and voluntary service.
2. To appreciate the importance of health, hygiene and sanitation for a healthy nation.
3. To propagate Yoga as a way of healthy living.

Credit : 4 (3 – 0 – 1)

Outcome : Learners will have the knowledge about NSS and its role in the fields of health, hygiene and sanitation so as to build a strong country. They will be able to use Yoga for healthy living.

Unit	Topics	Contact Hours		
		Lectures	Tutorials	Practicals
1	Introduction to NSS History, philosophy, aims and objectives of NSS; NSS Insignia, Organization of NSS, Funding; Regular Activities; Special Camping; Adopted village; Maintaining records, Collaboration with other Govt. agencies, NGOs	6	0	0
2	Life Competencies & Youth Leadership Definition and importance of life competencies; communication and soft skills; Using the Internet; Youth leadership	8	0	0
3	Health, Hygiene and Sanitation Importance of health, hygiene and sanitation; Various Govt. programmes	5	0	5
4	Youth Health Healthy lifestyles; HIV/AIDS, drugs and substance abuse; First aid	7	0	5
5	Youth and Yoga History and philosophy of yoga; Yoga for healthy living	7	0	12

Total Lectures: 33

Project: 22 hours of community/volunteer work promoting the issues as mentioned in Units 3, 4 and 5. The internal assessment will be based on the project.

Suggested Readings:

1. NSS Manual
2. National Youth Policy Document
3. National Service Scheme - A Youth Volunteers Programme For Under Graduate Students As Per UGC Guidelines by J D S Panwar, A K Jain & B K Rathi (Astral)
4. Communication Skills by N Rao & R P Das (HPH)
5. Light on Yoga by B K Iyenger (Thorsons)

Dibrugarh University

Syllabus of NSS (Skill Based Course) at UG Level

Course Code : NSS02

Course Name : NSS in Social-economic Development

Objectives : The main objectives of this course are:

1. To help learners know about environmental issues and disaster management.
2. To understand the role of entrepreneurship in social development.
3. To learn documentation and reporting.

Credit : 4 (3 – 0 – 1)

Outcome : Learners will learn to appreciate the concerns regarding the environment. They will have the background information to start a venture. They will also be able to prepare a socio-economic development plan.

Unit	Topics	Contact Hours		
		Lectures	Tutorials	Practicals
1	Environment Issues Environment conservation, Enrichment and Sustainability; Climate Change; Waste Management; Natural Resource Management	4	0	0
2	Disaster Management Introduction; Classification of disasters; Role of NSS in disaster management with more emphasis on disasters specific to NE India; Civil defence	10	0	0
3	Entrepreneurship Definition and meaning; Qualities of a good entrepreneur; Risks; Various policies aiding an entrepreneur	7	0	0
4	Funding a Venture Sources of funding and formalities	5	0	0
5	Documentation and Reporting Collection and analysis of data; Documenting, reporting and their dissemination	7	0	22

Total Lectures: 33

Skill Enhancement Course (SEC)

Sericulture

Course Code: SEC-II
Credit: 2

Subject: Post Harvest Technology and Entrepreneurship in Sericulture.

Total Marks: 50(10 for Internal Assessment & 40 for End Semester Examination)

Unit I:

Post harvest technology: Cocoon quality, classification, sorting, price fixing storage, deflossing and cooking of cocoons. Cocoon processing and reeling operation: Reeling, re-reeling, spinning, silk examination, bleaching, dyeing; reeling appliances – charaka, cottage basin, multi-end silk reeling machine byproducts of reeling, silk fabrics

Unit II:

Employment & Entrepreneurship in sericulture, - Scopes of employment in sericulture; Women in sericulture, Sericulture & Rural Economy. Sericulture organization in India and Assam; role of state departments of Sericulture, Central silk Board, Universities and NGOs in Sericulture development.

Unit III:

Preparation of viable project: skill to plan and develop, and startup.

Books recommended:

1. FAO Agricultural service Bulletin.
2. Muga silk Industry, by S. Choudhury. Directorate of Sericulture, Assam.
3. Eri silk Industry, by S. Choudhury, Directorate of Sericulture, Assam.
4. Mulberry silk Industry. Directorate of Sericulture, Assam.
5. Applied Entomology, by G. Fenimore and Alka Prakash. New Age International (P)

Limited, publishers.

6. Principles of Insect pest management, by G.S.Dhaliwal and Ramesh Arora. Kalyani Publishers.
7. The silkworm biology, genetics and breeding, by Dilip De Sarker. Vikash Publishing House PVT.LTD.
8. Economic Zoology, by Shukla and Upadhaya. Rastogi publications.
9. Report on the diseases of Silkworms in India, by A. Pringle Jamson. International Books & Periodicals SupplyService.
10. Sericulture and Pest Management. Sathe, A. Jadhav, T.V. Sathe, T V & A D Jadhav. Daya Books.
11. Handbook on Pest and Disease Control of Mulberry and Silkworm. Pradip Kumar, Murthuza Baig, K. Sengupta, Govindaiah, UN.ESCAP.
