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#### **SYLLABUS**

সাতক পর্যায়ৰ অসমীয়া উচ্চমানৰ পাঠ্যক্রম (মূল বিষয় ঃ অসমীয়া ভাষা-সাহিত্য-সংস্কৃতিৰ বাধ্যতামূলক পাঠ্যক্রম) অসমৰ সংস্কৃতি অধ্যয়ন (Studies on the Culture of Assam) পাঠ্যক্রমৰ সংখ্যা ঃ C-7 [৬ ক্রেডিট]

[পাঠদান ঃ ১৪ x ৫= ৭০ (৫ক্রেডিট) অনুশিক্ষণ ঃ ১৪ x ১= ১৪ (১ক্রেডিট)]

মুঠ নম্বৰ ঃ ১০০

চূড়ান্ত পৰীক্ষাৰ মূল্যায়ন ঃ ৮০ আভ্যন্তৰীণ মূল্যায়ন ঃ ২০

আভ্যন্তৰীণ মূল্যায়ন ঃ ২০ সংস্কৃতিৰ সাধাৰণ ধাৰণাসহ অসমৰ নৃ-গোষ্ঠী আৰু সংস্কৃতি সম্পৰ্কে ছাত্ৰ-ছাত্ৰীক অৱগত কৰাবৰ বাবে এই কাকতখন প্ৰস্তুত কৰা হৈছে।

|  | মুঠ শ্ৰেণী স     | াংখ্যা ঃ ৮৪ (পাঠদ | ান + অনুশিক্ষণ) |  |
|--|------------------|-------------------|-----------------|--|
|  | পাঠদান           | অনুশিক্ষণ         | মূল্যাংক        |  |
| গোট ঃ ১                                      | 50               |                   |                 |  |
| সংস্কৃতিৰ সংজ্ঞা, স্বৰূপ আৰু উপাদান          | 30               | 2                 | >%              |  |
| সংস্কৃতি অধ্যয়নৰ স্বৰূপ                     |                  |                   |                 |  |
| গোট ঃ ২                                      | >0               | 2                 | >9              |  |
| অসমৰ নৃগোষ্ঠীসমূহৰ পৰিচয়                    |                  |                   |                 |  |
| অসমীয়া সংস্কৃতিৰ সমন্বয়ত বিভিন্ন নৃ-গোষ্ঠী | য় সংস্কৃতিৰ অৱদ | ति                |                 |  |
| গোট ঃ ৩                                      | >&               | 8                 | >6              |  |
| অসমৰ বিভিন্ন জনগোষ্ঠীৰ লোকাচাৰ আৰু ৫         | লাকবিশ্বাস       |                   | yr / E          |  |
| (নিৰ্বাচিত জনগোষ্ঠী ঃ মিচিং আৰু সোণোৱা       | ন কছাৰী)         |                   |                 |  |
| গোট ঃ ৪                                      | >@               | 8                 | 36              |  |
| পৰম্পৰাগত অসমৰ সাজপাৰ আৰু অয়-অল             | ংকাৰ             |                   |                 |  |
| (নিৰ্বাচিত জনগোষ্ঠী ঃ বড়ো আৰু কাৰ্বি)       |                  |                   |                 |  |
| গোট ঃ ৫                                      | >0               | 2                 | >>              |  |
| অসমৰ স্থাপত্য-ভাস্কৰ্য                       |                  |                   | . W             |  |
|  |                  |                   |                 |  |

প্রসংগ পুথিঃ

অসমৰ সংস্কৃতিঃ লীলা গগৈ, বনলতা, ডিব্ৰুগড়। অসমীয়া ভাষা আৰু সংস্কৃতিঃ বিৰিঞ্চিকুমাৰ বৰুৱা, জাৰ্ণাল এম্পৰিয়াম, গুৱাহাটী। অসমীয়া জাতিৰ ইতিবৃতঃ অসম সাহিত্য সভা। অসমীয়া লোক-সংস্কৃতিঃ বিৰিঞ্চিকুমাৰ বৰুৱা, বীণা লাইব্ৰেৰী, গুৱাহাটী। অসমীয়া লোক-সংস্কৃতিৰ আভাসঃ নবীন চন্দ্ৰ শৰ্মা, বাণী প্ৰকাশ, গুৱাহাটী।

25

বিভাগীয় প্রধান অসমীয়া পিভাগ

Pranjal Dutta
Coordinator, IQAC



Dr. Duffincipal

Dr. Duffincipal

Jornal Kendup Thicipal



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#### NOTICE



### অসমীয়া বিভাগ

### Department of Assamese JORHAT KENDRIYA MAHAVIDYALAYA

KENDUGURI, JORHAT-785 010, ASSAM

-2350009, 75778 00691(M) e-mail: assamesejkm@gmail.com Website: www/jorhatkendriyamahavidyalaya.in

Date: 10/12/2021

#### **Field Visit Notice**

All the students of Assamese Department are hereby informed that our department is organizing a field visit in the subject of "ASSAMOR SANSKRITI" to enhance the knowledge of students.

Kahara Karbigaon, Kasiranga, Gologhat. Assom.

22/12/2021 Date:

6.00 Am to 7:00 Pm.

Teacher in Charge: Ods. hayafrichutia.

W Mn Burknuram Nan

W Mni Bhagyaehree Styam.

Department of Assamese
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ASSA

10/12/2021

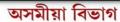
Pranjal Dutta Coordinator, IQAC





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#### LIST OF STUDENTS





### Department of Assamese JORHAT KENDRIYA MAHAVIDYALAYA

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Phone # 0376-2350009, 75778 00691(M) E-mail: assamesejkm@gmail.com Website: www/jorhatkendriyamahavidyalaya.in

The following students of Assamese department were engaged in experimental learning through Field Work

SESSION-2021-22

| Sl. No. | Name of Student studied<br>course on include<br>experiential learning<br>through project work/field<br>work/internship | Programme<br>name  | Program<br>me Code | Name of the course<br>that include<br>experiential learning<br>through project<br>work/field<br>work/internship | Course | Year of<br>offering |
|---------|--|--------------------|--------------------|---|--------|---------------------|
| 1.      | Mridusmita Boiragi   | BA (H)<br>Assamese | UG-ASS             | ASAMOR SANSKRITI<br>ADHYANA   | C-7    | 2021-22             |
| 2.      | Debasish Sharma  | BA (H)<br>Assamese | UG-ASS             | ASAMOR SANSKRITI<br>ADHYANA   | C-7    | 202122              |
| 3.      | Rituraj Boruah   | BA (H)<br>Assamese | UG-ASS             | ASAMOR SANSKRITI<br>ADHYANA   | C-7    | 2021—22             |
| 4.      | Pabitra Bora   | BA (H)<br>Assamese | UG-ASS             | ASAMOR SANSKRITI<br>ADHYANA   | C-7    | 2021—22             |
| 5.      | Amal Ghatowar  | BA (H)<br>Assamese | UG-ASS             | ASAMOR SANSKRITI<br>ADHYANA   | C-7    | 2021—22             |
| 6.      | Deepika Bora   | BA (H)<br>Assamese | UG-ASS             | ASAMOR SANSKRITI<br>ADHYANA   | C-7    | 2021—22             |
| 7.      | Trishna Kalita   | BA (H)<br>Assamese | UG-ASS             | ASAMOR SANSKRITI<br>ADHYANA   | C-7    | 2021—22             |
| 8.      | Priti Rajkhowa   | BA (H)<br>Assamese | UG-ASS             | ASAMOR SANSKRITI<br>ADHYANA   | C-7    | 202122              |
| 9.      | Parishmita Saikia  | BA (H)<br>Assamese | UG-ASS             | ASAMOR SANSKRITI<br>ADHYANA   | C-7    | 2021—22             |
| 10.     | Jupi Bora  | BA (H)<br>Assamese | UG-ASS             | ASAMOR SANSKRITI<br>ADHYANA   | C-7    | 2021—22             |
| 11.     | Himadree Deka  | BA (H)<br>Assamese | UG-ASS             | ASAMOR SANSKRITI<br>ADHYANA   | C-7    | 202122              |
| 12.     | Akanshya Borgohain   | BA (H)<br>Assamese | UG-ASS             | ASAMOR SANSKRITI<br>ADHYANA   | C-7    | 2021—22             |
| 13.     | Papori Dutta   | BA (H)<br>Assamese | UG-ASS             | ASAMOR SANSKRITI<br>ADHYANA   | C-7    | 2021—22             |
| 14.     | Lakhi Bora   | BA (H)<br>Assamese | UG-ASS             | ASAMOR SANSKRITI<br>ADHYANA   | C-7    | 2021—22             |
| 15.     | Pranjal Barthakur  | BA (H)             | UG-ASS             | ASAMOR SANSKRITI  | C-7    | 2021—22             |



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Coordinator, IQAC



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Website: www/jorhatkendriyamahavidyalaya.in

### The following students of Assamese department were engaged in experimental learning through Field Work

|     |                   | Assamese           |        | ADHYANA                     |     |         |
|-----|-------------------|--------------------|--------|-----------------------------|-----|---------|
| 16. | Gourav Koch       | BA (H)<br>Assamese | UG-ASS | ASAMOR SANSKRITI<br>ADHYANA | C-7 | 2021—22 |
| 17. | Nibedita Bora     | BA (H)<br>Assamese | UG-ASS | ASAMOR SANSKRITI<br>ADHYANA | C-7 | 2021—22 |
| 18. | Archana Baruah    | BA (H)<br>Assamese | UG-ASS | ASAMOR SANSKRITI<br>ADHYANA | C-7 | 2021—22 |
| 19. | Geetamoni Borah   | BA (H)<br>Assamese | UG-ASS | ASAMOR SANSKRITI<br>ADHYANA | C-7 | 2021—22 |
| 20. | Disankhi Bora     | BA (H)<br>Assamese | UG-ASS | ASAMOR SANSKRITI<br>ADHYANA | C-7 | 2021—22 |
| 21. | Rakesh Gogoi      | BA (H)<br>Assamese | UG-ASS | ASAMOR SANSKRITI<br>ADHYANA | C-7 | 2021-22 |
| 22. | Pranjal Barthakur | BA (H)<br>Assamese | UG-ASS | ASAMOR SANSKRITI<br>ADHYANA | C-7 | 2021—22 |
| 23. | Arup Das          | BA (H)<br>Assamese | UG-ASS | ASAMOR SANSKRITI<br>ADHYANA | C-7 | 2021—22 |
| 24. | Lipi Dutta        | BA (H)<br>Assamese | UG-ASS | ASAMOR SANSKRITI<br>ADHYANA | C-7 | 2021-22 |
| 25. | Ritunjay Bora     | BA (H)<br>Assamese | UG-ASS | ASAMOR SANSKRITI<br>ADHYANA | C-7 | 2021—22 |
| 26. | Jahnobi Borah     | BA (H)<br>Assamese | UG-ASS | ASAMOR SANSKRITI<br>ADHYANA | C-7 | 2021—22 |
| 27. | Rupali Payun      | BA (H)<br>Assamese | UG-ASS | ASAMOR SANSKRITI<br>ADHYANA | C-7 | 2021—22 |
| 28. | Papari Bora       | BA (H)<br>Assamese | UG-ASS | ASAMOR SANSKRITI<br>ADHYANA | C-7 | 2021—22 |
| 29. | Puja Dutta        | BA (H)<br>Assamese | UG-ASS | ASAMOR SANSKRITI<br>ADHYANA | C-7 | 2021—22 |
| 30. | Rudrasnata Tamuli | BA (H)<br>Assamese | UG-ASS | ASAMOR SANSKRITI<br>ADHYANA | C-7 | 2021—22 |
| 31. | Plabita Bora      | BA (H)<br>Assamese | UG-ASS | ASAMOR SANSKRITI<br>ADHYANA | C-7 | 2021—22 |
| 32. | Rashmi Bora       | BA (H)<br>Assamese | UG-ASS | ASAMOR SANSKRITI<br>ADHYANA | C-7 | 2021—22 |
| 33. | Juri Bora         | BA (H)<br>Assamese | UG-ASS | ASAMOR SANSKRITI<br>ADHYANA | C-7 | 2021—22 |
| 34. | Porishmita Borah  | BA (H)<br>Assamese | UG-ASS | ASAMOR SANSKRITI<br>ADHYANA | C-7 | 2021—22 |

Dept of Amanage Jornal Kenderskalaya

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#### LIST OF STUDENTS





### Department of Assamese JORHAT KENDRIYA MAHAVIDYALAYA

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| 35. | Twinkle Boruah      | BA (H)<br>Assamese | UG-ASS | ASAMOR SANSKRITI<br>ADHYANA | C-7 | 2021—22 |
|-----|---------------------|--------------------|--------|-----------------------------|-----|---------|
| 36. | Priyakhi Dutta      | BA (H)<br>Assamese | UG-ASS | ASAMOR SANSKRITI<br>ADHYANA | C-7 | 2021—22 |
| 37. | Priyanku Dutta      | BA (H)<br>Assamese | UG-ASS | ASAMOR SANSKRITI<br>ADHYANA | C-7 | 2021-22 |
| 38. | Biswajit Bora       | BA (H)<br>Assamese | UG-ASS | ASAMOR SANSKRITI<br>ADHYANA | C-7 | 202122  |
| 39. | Bhagyashree Boruah  | BA (H)<br>Assamese | UG-ASS | ASAMOR SANSKRITI<br>ADHYANA | C-7 | 202122  |
| 40. | Partha Pratim Borah | BA (H)<br>Assamese | UG-ASS | ASAMOR SANSKRITI<br>ADHYANA | C-7 | 2021—22 |
| 41. | Junani Saikia       | BA (H)<br>Assamese | UG-ASS | ASAMOR SANSKRITI<br>ADHYANA | C-7 | 2021—22 |
| 42. | Upashana Boruah     | BA (H)<br>Assamese | UG-ASS | ASAMOR SANSKRITI<br>ADHYANA | C-7 | 2021—22 |
| 43. | Pallabi Boruah      | BA (H)             | UG-ASS | ASAMOR SANSKRITI            | C-7 | 2021—22 |

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# Jorhat KendriyaMahavidyalaya

Kenduguri, Jorhat-785010 (Assam)

Affiliated by Dibrugarh University

#### REPORT SUBMITTED BY STUDENTS

(अर्) जिंदायनव ्रशाउद्यम् न

मिश्र : दुष्यात्रा । चि

Mridushomita Boixagi. Torchat Kondriya Maharidyalaya B. A 6th Semester

Field Their Report.

ক্ষেত্ৰ তাৰ্যায়নৰ তথ্য

(स्यक्षिक भाउँ (कश्का)=>

प्राविधीय अभिनेत्र विकास क्षेत्र क् व्यक्त क्रान्साकिकव हुएव - ह्यावीत्रकल (भाजाधीर किला म्ब्रिक क्रार्था व्यक्तिल (स्मार्था) नामव क्रिय भाउँभर्तल रिमिट्टिन , एम्स्सिट भि भाउँच्यातव जीन छन् जालाम তলত ত্যালেশ্যনা করা ইল -

দ্যেম্বের্পি পার্থ্তপম পার্মবীয়া অঞ্চলত অরম্পিত , কেউল্লে পাউন্সানত কার্মি কোকসক লে বঙ্গাঙ্গ क्रम्ब । एउँद्रमाक्ब क्रोब्र अक्रिय सम्मून र्याद्रमा एउँद्रमाक्व उमाज - लाम, ल्यामुलास, रहसाव - लायत , रिकाद, सरक्रि सकल्म हात्मम । एउड्डलाकव कीवन-श्मवन अक्रियमाह्न र অনেহিম্বণৰ -

3NB- 9NA →

কার্বিনেশ্বসকলব সাঞ্জ – পার্বব ক্ষেত্রত কথতো পরিবর্তন ক্ষাব নেকসকলব সমন্ত - পাৰৰ মেন্তুত বহুতো পাৰ্যতন ব্যক্ত বহুতো পাৰ্যতন ব্যক্ত বহুতো পাৰ্যতন ব্যক্ত বহুতো সাম্ম কাৰ্বি পুৰুষ - কাহিলা ছিহুত্বে বিজন্ন ব্যক্ত ব্যক্ত পাৰ্য প্ৰবিশ্ব কাৰ্যকল কাৰ্যকল কাৰ্যকলকা ক

ৰেৰ অধুন্তন ক্ষাক্তৰ ক্ষিটা ক্ৰম্ম হয়। থেপুনত ক্ৰম্ভ কলেও প্রের ব্রাহ্মকক ক্যালোকত বিচ্ছিন্ন স্থানের চারেকী লোবন সায়। भिरतासकार दिल्लाभारमण जाता साक् नाव रेल - १० मार्वन, भत - व्यावी , एल- (इंट्रल्ट , कुक्किवर्ड) क्रिजारि

কার্মি পুরুষ্ণাকলে পর্বিগন করা স্থাত্-পার শুল- কিছং (ক্লিফা), চি (ফোলা) জ্ঞান্ড পার্টের।

०भगपा छाउन =>

ক্রম্পি লেক্সকলব প্রেমন অমন্তব হৈছে ভাত ক্রেকুরা হবর্ম, গাহরী, চুমানী জারিব হ্যান্তর কার্য ক্রেক্ডানন প্রিয় প্যাদ্য কার্যিকাল ক্ষণের বাঁরি মুখ্যেও নিজ্যুর প্রায়, ক্ষার পাত নমুবা लेखा जाक (स्रविस्पेश आर ज वा अपूर्ण ज्याम - तक्क , सर्वा - ज्यानी स जार तिबन्ध हिप्रदूताचे हिंदी स्थापन तीवत कुरुपण जाताता रहा जात-কুহত দি সিপেরা ছয়।

\$ =>

राम्प्रिश भि अविध्यत्व दामकस्मकत अधिमत धर्मावले ।

ন্তিৎমার - পার্যণ ->

कार्र गता स्मार्किन व्यवस्थाना विष्टा की एकए कान केन्द्र. ছত- (সত তমার্চ দেরতার পী দির কা বুঢ়ানোর্সমার জন্তিত মার্ক থকা কার্বসক্ষের স্কাহকান হল স্কৃতকর ন্তুসর। স্কৃতকর আব্দার জনান্ত কামনা কৰি ১৯ জি সত্ৰ পভা হয়। কাৰ্বি বিষ্ণান অনুসৰি स्वार कार जियदा स्वकार जायारे सम्पूर्णसाल वाल-जल, দুগ - ক্লেন্স জানির পর্বা পরিজ্ঞাণ নাপায়।

সেন্ধ্ৰ প্ৰেম্বাৰ ক্ৰমন্ত্ৰৰ ক্ৰমন্ত্ৰকৰ विवास यहाल तकता कथा क्रिकिट्सं वर्ष प्रावंधात सम्पूर्वकाल পামনীয়া অপ্তলত অৱস্থিত ৷ ভেলুলোকে পামাৰুৰ ওপৰত কুম কুমাতি কৰে। তেওঁলোকৰ জিক্ষা- দক্ষি বৰ বেছি নহয় হাদিও আচার- আবেশব ক্ষেত্রত তেওঁলোক বহুত প্রসারত।

্যেই সাউজ্যানৰ জোকসকলৰ আত্ৰ-আৰ, भाम - टाम , न्या - टानरकाव, - रिस्मव न्यार्ग, चिनाइ निकार আদুৰ বিষয়ে কামিব পাৰি ভাষী বহুতো উপকাৰ আনি नगरीटला ।

Pranjal Dutta Coordinator, IQAC



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#### **SYLLABUS**

Core Course X: Plant Systematics (Credits: Theory-4, Practical-2)

> THEORY Lectures: 60

ob Unit 1: Significance of Plant systematics

Introduction to systematics; Kingdom concept, Plant identification, Classification, Nomenclature. Evidences from palynology, cytology, phytochemistry and molecular data. Field inventory; Functions of Herbarium; Important herbaria and botanical gardens of the world and India; Virtual herbarium; E-flora; Documentation: Flora, Monographs, Journals; Keys:Single access and Multi-access.

Unit 2: Taxonomic hierarchy

Concept of taxa (family, genus, species); Categories and taxonomic hierarchy; Species concept (taxonomic, biological, evolutionary).

B. K. Unit 3: Morphology and Botanical nomenclature

Angiosperm morphology, Principles and rules (ICN= International Code of Nomenclature of Algae, fungi & Plants); Ranks and names; Typification, author citation, valid publication, rejection of names, principle of priority and its limitations; Names of hybrids.

B. Wnit 4: Systems of classification

Major contributions of Theophrastus, Bauhin, Tournefort, Linnaeus, Adanson, de Candolle, Bessey, Hutchinson, Takhtajan and Cronquist; Classification systems of Bentham and Hooker (upto series) and Engler and Prantl (upto series); Brief reference of Angiosperm Phylogeny Group (APG III) classification.

B. K. Unit 5: Biometrics, numerical taxonomy and cladistics

(10 lectures)

Characters; Variations; OTUs, character weighting and coding; Cluster analysis; Phenograms, cladograms (definitions and differences).

Unit 6: Phylogeny of Angiosperms

(12 lectures)

Terms and concepts (primitive and advanced, homology and analogy, parallelism and convergence, monophyly, Paraphyly, polyphyly and clades). Origin and evolution of life (mechanism and therories), Origin and evolution of angiosperms, Co-evolution of angiosperms and animals; Methods of illustrating evolutionary relationship (phylogenetic tree, cladogram).

25

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#### **SYLLABUS**

22

#### Practical

 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):

Ranunculaceae Brassicaceae Myrtaceae Apiaceae Asteraceae Solanaceae Lamiaceae Euphorbiaceae Liliaceae Orchidaceae

2. Field visit (local) - Subject to grant of funds from the university.

 Mounting of a properly dried and pressed specimen of any wild plant with herbarium label (to be submitted in the record book).

#### Suggested Readings

- Singh, (2012). Plant Systematics: Theory and Practice Oxford & IBH Pvt. Ltd., New Delhi. 3<sup>rd</sup> edition.
- Jeffrey, C. (1982). An Introduction to Plant Taxonomy. Cambridge University Press, Cambridge.
- 3. Judd, W.S., Campbell, C.S., Kellogg, E.A., Stevens, P.F. (2002). Plant Systematics-A Phylogenetic Approach. Sinauer Associates Inc., U.S.A. 2<sup>nd</sup> edition.
- 4. Maheshwari, J.K. (1963). Flora of Delhi. CSIR, New Delhi.
- 5. Radford, A.E. (1986). Fundamentals of Plant Systematics. Harper and Row, New York.

Pranjal Dutta
Coordinator, IQAC



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#### **NOTICE**



### Department of Botany

JORHAT KENDRIYA MAHAVIDYALAYA

Re-accredited by NAAC with Grade B++

#### KENDUGURI, JORHAT-785 010, ASSAM

Phone # 0376-2350009,75778 00691(M) e-mail; botanydepartment558@gmail.com Website: www/jorhatkendriyamahavidyalaya.in

Date- 07-05-2022

#### NOTICE

Dear Students,

It is hereby informed to the students of 2<sup>nd</sup> and 4<sup>th</sup> semester of Botany Dept. that the field trip to Meleng Grant Gaon is fixed on 24<sup>th</sup> of May,2022. You will be accompanied by two of our faculty members, Ms. Rashmi Rekha Borah and Ms. Dimplly Borah. This field trip is compulsory for all.

HoD, Dept. of Botany

JKM--

HoD 'Department of Botany 'Jorhat Kendriya Mahavidyataya

Pranjal Dutta
Coordinator, IQAC



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#### PERMISSION LETTER



### Department of Botany

### JORHAT KENDRIYA MAHAVIDYALAYA

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#### PERMISSION LETTER

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Department of Botany Jornal Kendrya Mahavidy

Pranjal Dutta
Coordinator, IQAC



Dr. Durinoipal

Dr. Durinoipal

Jornal Kendup Thrcipal



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#### LIST OF STUDENTS



# Department of Botany JORHAT KENDRIYA MAHAVIDYALAYA

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#### KENDUGURI, JORHAT-785 010, ASSAM

Phone # 0376-2350009, 75778 00691(M) e-mail: botanydepartment558@gmail.com Website : www/jorhatkendriyamahavidyalaya.in

The following students of Botany Department, Jorhat Kendriya Mahavidyalaya were engaged in experimental learning through Field Work for the year 2021-22.

| SI.<br>No. | Name of Student<br>studied<br>course on include<br>experiential<br>learning through<br>project work/field<br>work/internship | Programme<br>name | Programme Code | Name of the course<br>that include<br>experiential learning<br>through field work | Course code | Year of<br>offering | Link to the<br>relevant<br>document |
|------------|--|-------------------|----------------|---|-------------|---------------------|-------------------------------------|
| 1          | Shiva Kachari  | BSC (H)<br>Botany | UG-BOT         | Plant<br>Systematics  | BOTH10P     | 2021-22             | 2021                                |
| 2          | Chandan kr.<br>Thengal   | BSC (H)<br>Botany | UG-BOT         | Plant<br>Systematics  | BOTH10P     | 2021-22             |                                     |
| 3          | Supreeti<br>Bordoloi   | BSC (H)<br>Botany | UG-BOT         | Plant<br>Systematics  | BOTH10P     | 2021-22             |                                     |
| 4          | Moinul Doley   | BSC (H)<br>Botany | UG-BOT         | Plant<br>Systematics  | BOTH10P     | 2021-22             |                                     |
| 5          | Minakshi Saikia  | BSC (H)<br>Botany | UG-BOT         | Plant<br>Systematics  | BOTH10P     | 2021-22             |                                     |
| 6          | Chancita Das   | BSC (H)<br>Botany | UG-BOT         | Plant<br>Systematics  | BOTH10P     | 2021-22             |                                     |
| 7          | Gobinda<br>Payeng  | BSC (H)<br>Botany | UG-BOT         | Plant<br>Systematics  | BOTH10P     | 2021-22             |                                     |
| 8          | Dimple Pegu  | BSC (H)<br>Botany | UG-BOT         | Plant<br>Systematics  | BOTH10P     | 2021-22             |                                     |
| 9          | Abhishek Kr.<br>Sharma   | BSC (H)<br>Botany | UG-BOT         | Plant<br>Systematics  | BOTH10P     | 2021-22             |                                     |
| 10         | Dhoritri<br>Pachoni  | BSC (H)<br>Botany | UG-BOT         | Plant<br>Systematics  | BOTH10P     | 2021-22             |                                     |
| 11         | Ashish Debang<br>Dhar  | BSC (H)<br>Botany | UG-BOT         | Plant<br>Systematics  | BOTH10P     | 2021-22             |                                     |

Pranjal Dutta
Coordinator, IQAC



Dr. Dulenska i Vivaliaya Jornat Kendup Jornat 10 Kendup Incipal



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#### LIST OF STUDENTS

| 12 | Debajit Borah   | BSC (H) | UG-BOT | Plant         | BOTH10P | 2021-22 |
|----|-----------------|---------|--------|---------------|---------|---------|
|    |                 | Botany  |        | Systematics   |         |         |
| 13 | Lakhimoni       | BSC (H) | UG-BOT | Plant         | BOTH10P | 2021-22 |
|    | Dutta           | Botany  |        | Systematics   |         |         |
| 14 | Sagarika Dutta  | BSC (H) | UG-BOT | Plant         | BOTH10P | 2021-22 |
|    |                 | Botany  |        | Systematics   |         |         |
| 15 | Priyanka Saikia | BSC (H) | UG-BOT | Archaegoniate | BOTH4P  | 2021-22 |
|    |                 | Botany  |        |               |         |         |
| 16 | Suraj Borah     | BSC (H) | UG-BOT | Archaegoniate | ВОТН4Р  | 2021-22 |
|    |                 | Botany  |        |               |         |         |
| 17 | Emanuel Doley   | BSC (H) | UG-BOT | Archaegoniate | ВОТН4Р  | 2021-22 |
|    |                 | Botany  |        |               |         |         |
| 18 | Udayaditya      | BSC (H) | UG-BOT | Archaegoniate | BOTH4P  | 2021-22 |
|    | Gogoi           | Botany  |        |               |         |         |
| 19 | Rohit Kr. Shah  | BSC (H) | UG-BOT | Archaegoniate | BOTH4P  | 2021-22 |
|    |                 | Botany  |        |               |         |         |
| 20 | Dipika Das      | BSC (H) | UG-BOT | Archaegoniate | ВОТН4Р  | 2021-22 |
|    |                 | Botany  |        |               |         |         |
| 21 | Jonakanta Mili  | BSC (H) | UG-BOT | Archaegoniate | ВОТН4Р  | 2021-22 |
|    | 10              | Botany  | 2      |               |         |         |
| 22 | Subhradeep Paul | BSC (H) | UG-BOT | Archaegoniate | ВОТН4Р  | 2021-22 |
|    |                 | Botany  |        |               |         |         |
| 23 | Darpan Jyoti    | BSC (H) | UG-BOT | Archaegoniate | BOTH4P  | 2021-22 |
|    | Pegu            | Botany  |        |               |         |         |

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Coordinator, IQAC



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#### **REPORT**

### **Department of Botany**

#### JORHAT KENDRIYA MAHAVIDYALAYA

Re-accredited by NAAC with Grade B++

#### KENDUGURI, JORHAT-785 010, ASSAM

Phone # 0376-2350009,75778 00691(M) e-mail: botanydepartment558@gmail.com Website: www/jorhatkendriyanahavidyalaya.in

#### FIELD TRIP REPORT TO MELENG GRANT GAON, AN ADOPTED VILLAGE OF JKM

Field Trip Report

-Yish to Meleng Grant Guon, an minpled village of Jorhan Kendriya Mahavidyalaya and Gibbon Wildlife Sanctuary<sup>35</sup> by 2<sup>nd</sup> and 4<sup>th</sup> Semester students of Ibitany

The Department of Botto's arranged is one sley field imp to McSing Grant Clinit, as adapted voltage, a John Kendessi Malagoritedness and Citison Wildlife Samesians for the students of 7th and 4th Sensetin 2 a post of their crosses currendom on 34th of May 2022.

a post of their crosses (IIII) taken in 34" of 8day, 2022.

As per the scheduled often on Tursium, risk fiding 2022, the 2dat & 2th Settlewer standards of History Department of Linear Kinderey Makeworld-days made the supersymmetr of Linear Linear Set. Resident Methods from the 10 miles of 10 miles from 10 miles for 10 miles from 10 mile

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The bases containing 25 nm, of students, visited Orions Wild his Sometimes which is himsone for its main framen primate discording. Severe and of limit success of non-horizing primate discording. Nearth Indian measurements of the students of the students. Students of the s

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Department of Botany Jothal Kendriya Mahavidyalaya

Pranjal Dutta Coordinator, IQAC

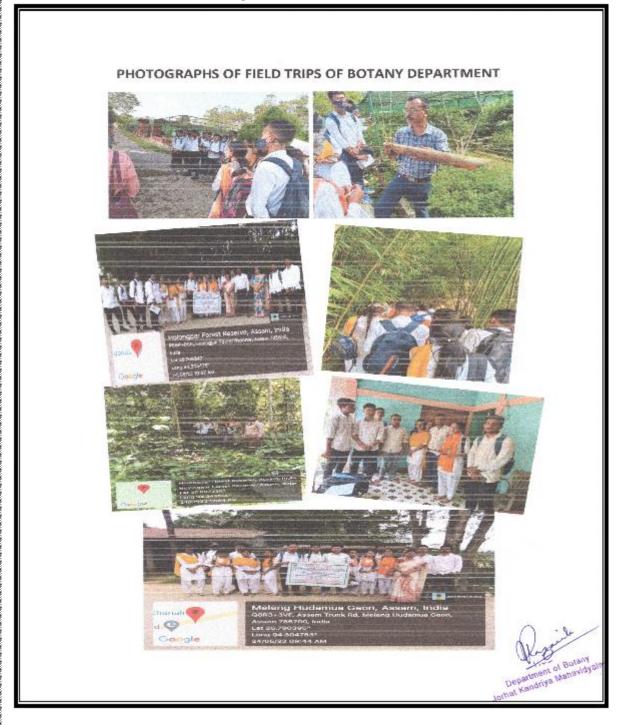


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#### **REPORT**







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#### **Syllabus**

R. Bhugan Dekt. & Ecousmils.

Semester VI
B.A. (Honours) Economics

DSE 8 (Group-II): ENVIRONMENTAL ECONOMICS (6 Credits)
Full marks: 100 (Mid Term-20 + End Term-80)

Course Description

This course focuses on economic causes of environmental problems. In particular, economic principles are applied to environmental questions and their management through various economic institutions, economic incentives and other instruments and policies. Economic implications of environmental policy are also addressed as well as valuation of environmental quality, quantification of environmental damages, tools for evaluation of environmental projects such as cost-benefit analysis and environmental impact assessments. Selected topics on international environmental problems are also discussed.

| Units |  | No of<br>Lecture<br>Hours | No of<br>Tutorial<br>Hours | Marks |
|-------|--|---------------------------|----------------------------|-------|
| 1.    | Introduction: Basic Concepts: Ecology, Environment and Economy; what is environmental economics: Definition and evolution of the subject; Environmental economics and Resource economics; the economy and the environment: inter-linkages; Environment and development trade off: Environmental Kuznet curve; review of microeconomics and welfare economics: Pareto optimality, public good and private good, Common property resources, private and social cost, public good and bad | 15                        | 3                          | 16    |
| 2.    | The Theory of Externalities:  Externality: Meaning and types; Pareto optimality and market failure in the presence of externalities; solution to market failure: property rights and the Coase theorem.  | 15                        | 3                          | 16    |
| 3.    | The Design and Implementation of Environmental Policy and Sustainable Development: Environmental Policies: Overview; Economic instruments of environmental policies: Pigouvian taxes and effluent fees, tradable permits, liability rules.  Sustainable Development: Concept; Notions of Sustainability: Strong and Weak sustainability, measurement and indicators of sustainability: The Pearce-Atkinson indicator.  | 15                        | 3                          | 16    |
| 4. {  | International Environmental Problems: Trans-boundary environmental problems as problems of international externalities: Global warming, Ozone layer depletion; economics of climate change; trade and environment; Pollution Haven Hypothesis: Global intervention for sustainable development   | 15                        | 3                          | 16    |
| 5.    | Measuring the Benefits of Environmental Improvements:  | 15                        |                            |       |
|       | Themes:  | 15                        | 3                          | 16    |

HOD

Appl. of Economics

Jorhal Kendriya Mahavidyalaya

Jorhal Kendriya Mahavidyalaya

Jorhat Kendriya manavioyalaya

Pranjal Dutta
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#### LIST OF STUDENTS

# Department of Economics JORHAT KENDRIYA MAHAVIDYALAYA

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Date: ...27/12/2021

The following students of Economics department, Jorhat Kendriya Mahavidyalaya were engaged in experimental learning through Project Work/ Field Work for the year 2021-22

| SI.<br>No. | Name of Student studied<br>course on include<br>experiential learning<br>through project<br>work/field<br>work/internship | Programme<br>name | Programme<br>Code | Name of the course that<br>include experiential<br>learning through project<br>work/field<br>work/internship | Course<br>code | Year of<br>offering |
|------------|---|-------------------|-------------------|--|----------------|---------------------|
| 1          | Srimanta Borah  | BA (H)<br>Eco     | UG-eco            | Environmental<br>Economics/ Indian<br>Economy  | ECNHD<br>SE602 | 2021-22             |
| 2          | Debashis Bora   | BA (H)<br>Eco     | UG-eco            | Environmental<br>Economics/ Indian<br>Economy  | ECNHD<br>SE602 | 2021-22             |
| 3          | Bswajit Borah   | BA (H)<br>Eco     | UG-eco            | Environmental<br>Economics/ Indian<br>Economy  | ECNHD<br>SE602 | 2021-22             |
| 4          | Taslimisrat   | BA (H)<br>Eco     | UG-eco            | Environmental<br>Economics/ Indian<br>Economy  | ECNHD<br>SE602 | 2021-22             |
| 5          | Dibyajyoti Hazarika   | BA (H)<br>Eco     | UG-eco            | Environmental<br>Economics/ Indian<br>Economy  | ECNHD<br>SE602 | 2021-22             |
| 7          | Darshana Neog   | BA (H)<br>Eco     | UG-eco            | Environmental<br>Economics/ Indian<br>Economy  | ECNHD<br>SE602 | 2021-22             |
| 8          | Kajol Sah   | BA (H)<br>Eco     | UG-eco            | Environmental<br>Economics/ Indian<br>Economy  | ECNHD<br>SE602 | 2021-22             |
| 9          | Anjanjyoti Phukon   | BA (H)<br>Eco     | UG-eco            | Environmental<br>Economics/ Indian<br>Economy  | ECNHD<br>SE602 | 2021-22             |
| 10         | Udipta Saikia   | BA (H)<br>Eco     | UG-eco            | Environmental<br>Economics/ Indian<br>Economy  | ECNHD<br>SE602 | 2021-22             |

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Arup Kr Mahanta
HoD
Department off conomics
Jornet Senting Sen

Pranjal Dutta
Coordinator, IQAC



Dr. Dulers Suit in John Kendup Tincipal



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#### LIST OF STUDENTS



#### Department of Economics ORHAT KENDRIYA MAHAVIDYALA

KENDUGURI, JORHAT-785 010, ASSAM

Name of the course that include experiential learning SI. No. course on include experiential learning through through project work/field work/internship project work/field work/internship Akshay Kr Kashyap UG-eco 11 Environmental Economics/ Indian Economy 2021-22 UG-eco 12 Akash Karmakar 2021-22 BA (H) Eco Environmental Economics/ Indian Economy Environmental Economics/ Indian UG-eco 13 Amar Morang Economy 14 NilutpolSaikia UG-eco ECNHD SE602 2021-22 BA (H) Eco Environmental Economics/ Indian Economy Environmental Economics/ Indian BA (H) Eco 15 Krishna Rani Borah UG-eco 2021-22 Economy UG-eco 16 Rahul Gogoi 2021-22 Environmental Economics/ Indian Economy Environmental Economics/ Indian Abhilekh Boruah BA (H) UG-eco Economy UG-eco Archikana Regon 2021-22 Environmental Economics/ Indian Economy Environmental Economics/ Indian 20 NilutpolSaikia BA (H) Eco UG-eco 2021-22 Economy UG-eco 21 Krishna Rani Borah Environmental Economics/ Indian Economy Environmental Economics/ Indian 2021-22 Manash Protim Dutta Economy 23 BA (H) Eco Farhana Begum 2021-22 Environmental Economics/ Indian Economy Environmental Economics/ Indian 24 2021-22 Anshuman Dutta Economy

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#### LIST OF STUDENTS



### **Department of Economics**

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Ref ......

Date : 27/12/2021

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Sanskriti Sarma BA (H) UG-eco Environmental **ECNHD** 2021-22 Economics/ Indian SE602 Economy Environmental 26 Bikash Sah BA (H) UG-eco **ECNHD** 2021-22 Economics/ Indian SE602 Economy 27 Trinayan Deuri BA (H) UG-eco Environmental **ECNHD** 2021-22 Eco Economics/ Indian SE602 Economy 28 Bikash BA (H) UG-eco Environmental **ECNHD** 2021-22 Choudhury Eco Economics/ Indian SE602 Economy **ECNHD** 29 Pori Bordoloi BA(H) UG-eco Environmental 2021-22 Eco Economics/ Indian SE602 Economy UG-eco 30 **ECNHD** 2021-22 Surajit Goswami BA(H) Environmental SE602 Eco Economics/ Indian Economy

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# Department of Economics JORHAT KENDRIYA MAHAVIDYALAYA

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Def

Metric no-2.3.1 Report on field study Report on field Study by the Students:

The Department of Economics, Jorhat Kendriya Mahavidyalaya, conducted field study every year on socioeconomic issues in nearby villages and in and outside the district. The main purpose of field study is to encourage students to know the real scenario of the socio-economic life and other local economic issues of rural people. To motivate students for research attitude and scientific outlook, such type of field study is always useful. Therefore, the teachers of the department encourage students to prepare report on the field that they have visited.

Field study for students is not directly mentioned in our course syllabus ,though to uplifting students' socialisation skill we conducted field studies under Paper ECNHDSE602 i.e Environmental Economics & Indian Economy 1&2(C11 & C12).

Sample of Field Study Report





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Coordinator, IQAC



Dr. Durinoipal

Dr. Durinoipal

Jornal Kendup Thrcipal



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*Ref.....* 

# Department of Economics JORHAT KENDRIYA MAHAVIDYALAYA

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#### KENDUGURI, JORHAT-785 010, ASSAM

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Signature of HOD and Guide for the trip:

eedback from students about the field trips/project

Pranjal Dutta
Coordinator, IQAC

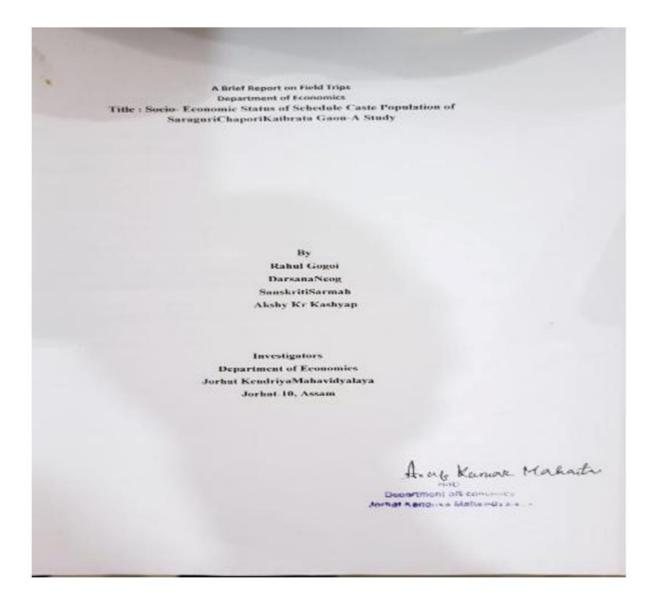


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#### **SYLLABUS**

SYLLABUS OF THE UG PROGRAMME IN EDUCATION DIBRUGARH UNIVERSITY B.A. IN EDUCATION (HONOURS) COURSE NO. DSE 8: 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:

a. Explain the process of conducting a Project.

b. Identify the problems for Educational Project.

c. Solve problems faced in educational field through project.

d. Prepare a project report.

|      | Topics   | Marks | · L | P   | Т |
|------|--|-------|-----|-----|---|
| I    | stroduction to the Project   |       | 10  |     | _ |
| 1    | ✓ Concept of Project   |       |     |     |   |
| 1    | ✓ Characteristic of a good project   |       |     | 1   |   |
| 1    | ✓ Steps of conducting a project  |       |     |     |   |
| 1    | Identification of Problem  |       |     |     |   |
|      | <ul> <li>Formulation of Objective</li> </ul>                                       |       |     |     |   |
| 1    | <ul> <li>Preparation of Tools: Questionnaire, Rating Scale,</li> </ul>             |       |     | 1 1 |   |
| 1    | Interview Schedule, Check list etc.  |       |     | 1 1 |   |
| - 1  | <ul> <li>Selection of Sample</li> </ul>  |       |     |     |   |
| 1    | Collection of Data   |       |     | 1 1 |   |
| 1    | <ul> <li>Analysis and interpretation of data</li> </ul>                            |       |     | 1 1 |   |
| - 1  | Report Writing   |       |     | 1 1 |   |
|      | ✓ Challenges of conducting a Project   |       |     | 1 1 |   |
|      | (The teacher will have to take theory classes on the topics assigned in this unit) |       |     |     |   |
|      | Preparation of Project report:   |       | 5   |     | _ |
| 1    | The student shall have to conduct a project under the supervision                  |       |     |     |   |
| - 1  | of a teacher and submit a project report consisting of the following:              |       | 1   |     | 1 |
|      | Title of the Project   |       |     |     |   |
| - 67 | <ul> <li>Introduction</li> </ul>   |       | 1   |     |   |
|      | Rationale of the study   |       |     |     |   |
|      | Objectives of the Study  |       | 1   | 1   |   |
|      | <ul> <li>Method and procedures followed (Description of the tools and</li> </ul>   |       |     |     |   |
|      | techniques used, procedure of Collection of Data and procedure                     |       | 1   |     |   |
|      | of analysis of data)   | 1     |     |     |   |
|      | <ul> <li>Analysis and Interpretation of data with illustrations</li> </ul>         | 1     | 1   |     |   |
|      | Findings of the study  |       |     |     | 1 |
|      | (The teacher shall provide guidance to the students throughout the                 |       |     |     |   |
|      | Project.)  | 1     | 1   |     | 1 |
|      | 110/001  | 1     |     |     |   |

In-semester Assessment:

Marks 20

Sessional Tests on the content of the first unit:

Conducting the project and preparing the report

Marks 10 Marks 10

RSafeia.

Dept of Education I Kendriya Mahavidya laya Jorhat-10

Pranjal Dutta Coordinator, IQAC



Kendu Principal



Affiliated by Dibrugarh University

#### LIST OF STUDENTS



# Department of Education JORHAT KENDRIYA MAHAVIDYALAYA

Re-accredited by NAAC with Grade B++

KENDUGURI, JORHAT-785 010, ASSAM

Phone # 0376-2350009, 75778 00691(M) e-mail: educationjkm@gmail.com Website : www/jorhatkendriyamahavidyalaya.in

| Ref                             | Date |
|---------------------------------|------|
| Details of Field Trip 2021-2022 |      |

| Serial No. | Name of the Student | Programme<br>Name | Programm<br>e Code | Name of the<br>Course | Course Code |
|------------|---------------------|-------------------|--------------------|-----------------------|-------------|
| 1          | Abhijeet Kachari    | BA                | UG-EDU             | Field Report          | DSE-8       |
| 2          | Musharat Parveen    | BA                | UG-EDU             | Field Report          | DSE-8       |
| 3          | Bobita Kalita       | BA                | UG-EDU             | Field Report          | DSE-8       |
| 4          | Shini Sahu          | BA                | UG-EDU             | Field Report          | DSE-8       |
| 5          | Sangeeta Bhuyan     | BA                | UG-EDU             | Field Report          | DSE-8       |
| 6          | Samikhya Kalita     | BA                | UG-EDU             | Field Report          | DSE-8       |
| 7          | Nilom Bora          | BA                | UG-EDU             | Field Report          | DSE-8       |
| 8          | Ashish Bora         | BA                | UG-EDU             | Field Report          | DSE-8       |
| 9          | Rimi Das            | BA                | UG-EDU             | Field Report          | DSE-8       |
| 10         | Puja Das            | BA                | UG-EDU             | Field Report          | DSE-8       |

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Dept of Esucation
Jornal Kendriya Mahavidyalaya
Jornal 10

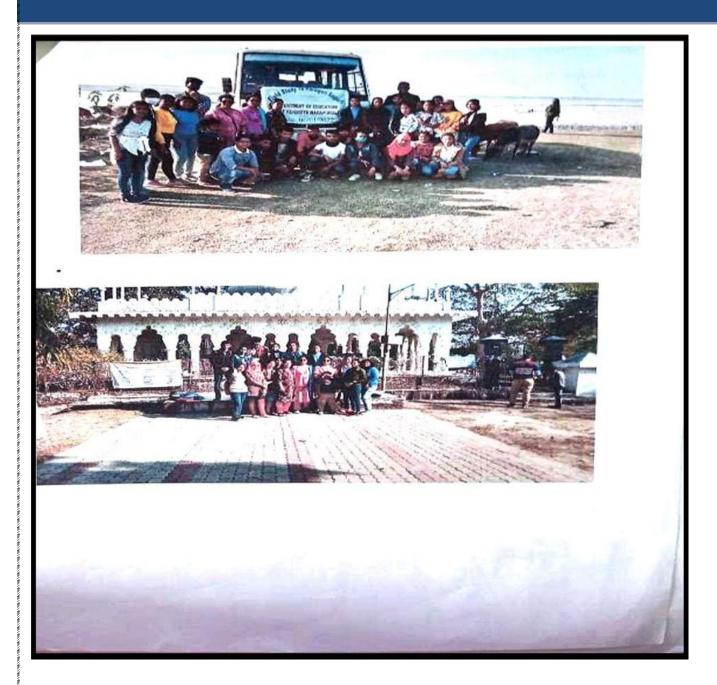
Pranjal Dutta
Coordinator, IQAC



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Affiliated by Dibrugarh University

#### REPORT SUBMITTED BY STUDENTS

শিৱসাগৰ জিলাৰ অৰ্ন্তগত সৰাগুৰি চাপৰি অঞ্চলৰ মহিলাৰ স্বাক্ষৰতা আৰু নিৰক্ষৰতা/আধৰুৱা শিক্ষাৰ সমস্যাৰঃ এক অধ্যয়ন

(স্নাতক উপাধিৰ বাবে প্ৰেৰিত প্ৰতিবেদন)



শিক্ষা বিভাগ

যোৰহাট কেন্দ্ৰীয় মহাবিদ্যালয়

অনুসন্ধানকাৰী

নামঃ শ্ৰী আশীষ বৰা

শ্ৰেণীঃ ষষ্ঠ ষান্মাসিক

ৰোলনং : 30310007

<u>তত্ত্বাবধায়ক</u>

নামঃ ও স্বপ্নালী বৰা

শিক্ষা বিভাগ

Pranjal Dutta
Coordinator, IQAC



Dr. Dulen State 10

Jornal Kendu Principal

Kendu Principal



Affiliated by Dibrugarh University

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### সূচীপত্র

প্রশংসা পত্র (CERTIFICATE)

ঘোষণা পত্ৰ (DECLARATION)

কৃতজ্ঞতা পত্ৰ (ACKNOWLEDGEMENT)

- 1. শিৰোনাম (TITLE OF THE PAPER)
- 2. প্রস্তারনা (INTRODUCTION)
- অধ্যয়নৰ যুক্তিযুক্ততা (RATIONAL OF THE STUDY)
- অধ্যয়নৰ মূল উদ্দেশ্য (OBJECTIVE OF THE STUDY)
- 5. কার্যপদ্ধতি (METHODOLOGY)
- 6. তথ্যৰ বিশ্লেষণ আৰু ব্যাখ্যা (ANALYSIS AND INTERPRETATION OF DATA FINDING)
- অধ্যয়নৰ ফলাফলৰ উদঘাটন (FINDING TO THE STUDY)
- সামৰণি (CONCLUSION)
- 9. গ্রন্থ তালিকা (BIBLIOGRAPHY)
- 10. তালিকা প্রণালী (LIST OF TABLE)

Pranjal Dutta
Coordinator, IQAC



Dr. Dulen State 10



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#### REPORT SUBMITTED BY STUDENTS

#### CERTIFICATE

This is to certify that the project report on "Problems of Women literacy and illiteracy/Dropout education of women of Saraguri Sapori Gaon, submitted by ASISH BORA 6<sup>th</sup> semester student of the Department of EDUCATION,(Honours) Jorhat Kendriya Mahavidyalaya under Dibrugarh University, Curriculum of B.A 6<sup>th</sup> Semester course in EDUCATION, under my supervision and guidance.

DR. DULEN SAIKIA
Principal,
Jorhat Kendriya Mahavidyalaya
Date: 19.07.2022

MRS. RANJUMONI SAIKIA HOD, Department of Education Jorhat Kendriya Mahavidyalaya Date: 19.07.2022 SHAPNALI BORAH
Supervisor
Assistant Professor,
Department of Education
Jorhat Kendriya Mahavidyalaya
Date: 19.07.202

Pranjal Dutta
Coordinator, IQAC



Dr. Durinoipal

Dr. Durinoipal

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(শ্লাতক উপাধিৰ বাবে প্ৰেৰিত প্ৰতিবেদন)



শিক্ষা বিভাগ

যোৰহাট কেন্দ্ৰীয় মহাবিদ্যালয়

অনুসন্ধানকাৰী

নামঃ শ্ৰী নিলম বৰা

শ্রেণীঃ ষষ্ঠ ষান্মাসিক

ৰোলনং 3 0 3 1 00 18

তত্ত্বাবধায়ক

নামঃ ড স্বপ্নালী বৰা

শিক্ষা বিভাগ

Pranjal Dutta
Coordinator, IQAC



Dr. Dulen Sent Widy alay a Jornal To Kendupri Jornal 10



Affiliated by Dibrugarh University

#### REPORT SUBMITTED BY STUDENTS

### সূচীপত্র

প্রশংসা পত্র (CERTIFICATE)

ঘোষণা পত্ৰ (DECLARATION)

কৃতজ্ঞতা পত্ৰ (ACKNOWLEDGEMENT)

- 1. শিৰোনাম (TITLE OF THE PAPER)
- 2. প্রস্তাৱনা (INTRODUCTION)
- 3. অধ্যয়নৰ যুক্তিযুক্ততা (RATIONAL OF THE STUDY)
- 4. অধ্যয়নৰ মূল উদ্দেশ্য (OBJECTIVE OF THE STUDY)
- 5. কার্যপদ্ধতি (METHODOLOGY)
- 6. তথ্যৰ বিশ্লেষণ আৰু ব্যাখ্যা (ANALYSIS AND INTERPRETATION OF DATA FINDING)
- অধ্যয়নৰ ফলাফলৰ উদঘাটন (FINDING TO THE STUDY)
- সামৰণি (CONCLUSION)
- 9. গ্রন্থ তালিকা (BIBLIOGRAPHY)
- 10. তালিকা প্রণালী (LIST OF TABLE)

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#### REPORT SUBMITTED BY STUDENTS

### কৃতজ্ঞতা পত্ৰ ACKNOWLEDGEMENT

পোনপ্ৰথমে এই অধ্যয়নত মোক বিভিন্ন দিশতে সহায় কৰা শ্ৰদ্ধাৰ ড স্বপ্নালী বৰা বাইদেউক আন্তৰিক কৃতজ্ঞতা জনাইছো লগতে মহাবিদ্যালয়ৰ শিক্ষা বিভাগৰ অধ্যাপিকা সকললৈ ও কৃতজ্ঞতা জনাইছো।

এই প্ৰতিবেদনত প্ৰস্তুত কৰোতে যিসকল ব্যক্তিয়ে সহায় সহযোগিতা আগবঢ়ালে তেখেতসকলকো মোৰ ফালৰ পৰা সম্ৰদ্ধ প্ৰণিপাত।

Nilom Bora

অনুসন্ধানকাৰীৰ চহী

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#### **SYLLABUS**

SYLLABUS OF THE UG PROGRAMME IN EDUCATION DIBRUGARH UNIVERSITY

B.A. IN EDUCATION (HONOURS)

COURSE (C 7): EXPERIMENTAL PSYCHOLOGY AND LABORATORY PRACTICAL CREDIT: 6

[MARKS: 100 (IN-SEMESTER: 20; END-SEMESTER: 80)]

xpected Learning Outcome: On completion of the course, the students will be able to :

- Explain the concept, scope and need of Experimental psychology. ii) conduct and report of psychological experiments.
- iii) Descibe the meaning and nature of memory, Immediate memory, memory span and its related practical.
- iv) Explain the concept of attention, span of attention and its related practical.
- v) Explain the concept, theories and methods of learning and its related practical.
- vi) State the concept of personality, different techniques of personality testing and its
- vi) State the concept of intelligence, historical background of intelligence testing and its related practical.

#### Course content:

| Unit | Topics   | Marks | L   | P | Т |
|------|--|-------|-----|---|---|
| 1    | Experimental psychology:  1.1.Meaning, nature and scope of experimental psychology.  1.2.Origin of psychological experiment.  1.3.Uses and Application of psychological experiments in the field of education.  1.4.Conducting and Reporting of psychological experiments.  1.5.Procedure of conducting and Reporting of Psychological Experiments.  1.51 Title.  1.52 Statement of objectives.  1.53 Hypotheses | 15    | 1 1 | 5 | Т |
|      | 1.54 Historical and theoretical background     1.55 Experimental Design.     1.56 Methodology and procedure.     1.57 Introspective Report of the subject.     1.58 Result, discussion, observation and     Conclusion   |       | 1   |   |   |

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#### **SYLLABUS**

|    | -2-   |             | 1.  | P   | T |
|----|---|-------------|-----|-----|---|
| it | Topics  | Marks<br>10 |     | 15  |   |
|    | Memory:                                       |             |     |     |   |
|    | 2.1 Meaning and nature of memory              |             | 1   |     |   |
|    | 2.2 Types of memory (Long Term Memory & Short |             | 1   |     |   |
| 1  | Term Memory)                                  |             |     |     |   |
|    | 2.3 Factors affecting memory                  |             |     |     |   |
|    | 2.4 Memory span                               |             |     |     |   |
|    | 2.6 Historical background of testing memory   |             |     | 1   |   |
|    | 2.7 Testing of Memory.                        | 1           |     |     |   |
|    | 2.51 Memory span for digits.                  |             |     |     |   |
|    | 2.52 Memory span for letters.                 |             |     |     |   |
|    | 2.53 Memory span for words and Non-sense      |             |     |     |   |
|    | Syllables                                     |             |     |     |   |
|    | 2.54 Recall and Recognition                   |             |     |     |   |
| 1  | Attention :                                   | 12          |     |     |   |
|    | 3.1 Concept of attention                      |             | 1   |     |   |
|    | 3.2 Types of attention (Selective attention,  |             |     |     |   |
|    | Alternating attention & Divided attention)    |             |     |     |   |
|    | 3.4 Conditions of attention                   |             |     |     |   |
|    | 3.2 Span of attention                         |             | 1   | 14  |   |
|    | 3.3 Historical and theoretical background of  |             |     |     |   |
|    | testing attention                             |             |     |     |   |
|    | 3.4 Testing of attention                      |             |     |     |   |
|    | 3.41 Division of attention                    |             |     |     | 1 |
|    | 3.42 Span of apprehension                     |             |     |     | 1 |
|    | 3.43 Distraction of attention                 |             |     |     | 1 |
| IV | Learning:                                     | 13          | -   | -   | + |
|    | 4.1 Concept of learning                       |             |     |     | 1 |
|    | 4.2Types of learning (Visual, Aural, Verbal,  |             |     | 1   | 1 |
|    | Physical)                                     |             | 1   |     |   |
|    | 4.3 Historical background of testing learning |             | 1 ' | 13  |   |
|    | 4.4 Testing of learning                       |             | 1   | 1.5 |   |
|    | 4.41 Mirror Learning                          |             |     |     |   |
|    | 4.42 Maze learning                            |             |     |     |   |
| _  | The finance rearring                          |             |     |     |   |

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Kenduprincipal



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#### **SYLLABUS**

|    | Total   | 80 | ) 14 | 70 | - |
|----|---|----|------|----|---|
| VI | Intelligence: 6.1 Concept of Intelligence. 6.2. Historical background of intelligence Testing. 6.3. Testing of Intelligence 6.3.1 Koh's Block Design Test. 6.3.2 Alexander's Pass Along Test 6.3.3 One Group Intelligence Test(Linguistic Intelligence) | 15 | 1 1  | 11 |   |
| (0 | 5.4.1 Rating scale 5.4.2 Interview 5.4.3 Rorschach Ink-blot Test 5.4.2 Thematic Apperception Test 5.4.3 Free and Controlled Association 5.4.4 Free Vs Controlled Association  | 15 | 1    | 12 |   |
| 5. | resonality: 1 Concept of personality 2 Historical background of personality assessment 3 Different methods of assessment of personality   | 15 | 1    |    |   |
|    | 4.43 Part and whole method 4.44 Mass Vs Space practice  |    |      |    |   |

#### In-semester Assessment:

Marks 20

A. Sessional Activity (Any one of the following)

Marks 10

- 1 . Give them Home assignment, sessional test on historical perspective of Experimental Psychology since its inception.
- 2.Students will learn the way of Demonstration by active participation in the
- discussion made by the Teacher in the Laboratory.

  3. Students will carry the selective practicals in real situation like schools, community etc. and make an analysis of data.

  B. Sessional Test

Marks 10

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Dept. of E&ucation
Jorhat Kendriya Mahavidyalaya
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Klarkia.

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#### LIST OF STUDENTS



### Department of Education

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Ref.......

Date 13/01/2022

Course Name: EXPERIMENTAL PSYCHOLOGY AND LABORATORY PRACTICAL

COURSE CODE: EDNH 303 SEMESTER: B.A.3RD SEMESTER YEAR: 2021-2022 TOTAL NO. OF STUDENTS: 19

#### LIST OF STUDENTS IN THE COURSE:

| SI No. | Roll No. | Names             |
|--------|----------|-------------------|
| 1      | 01       | Pompi Borah       |
| 2      | 07       | Jadu Patra        |
| 3      | 23       | Sima Mazi         |
| 4      | 30       | Antoripa Devi     |
| 5      | 31       | Chayanika Kalita  |
| 6      | 33       | Mayuri Bhuyan     |
| 7      | 34       | Tridisha Dutta    |
| 8      | 36       | Abhinash Saikia   |
| 9      | 37       | Abhilash Kalita   |
| 10     | 63       | Trishna Gogoi     |
| 11     | 64       | Simran Hatibaruah |
| 12     | 86       | Dibyajyoti Kalita |
| 13     | 89       | Sangeet Bora      |
| 14     | 109      | Necha Das         |
| 15     | 114      | Nikita Das        |
| 16     | 150      | Kalpojyoti Borah  |
| 17     | 167      | Antara Hazarika   |
| 18     | 219      | Kabita Das        |
| 19     | 232      | Mitali Bakti      |

Rosatia.

Mrs. Ranjumoni Saikia

Jorhat Kendriya Mahawa Lalish

Pranjal Dutta Coordinator, IQAC



Kendup Tincipal



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#### **SYLLABUS**

Dept. of History

Discipline Specific Elective

DSESOL

Paper 1

Course Code: HISHDSE501

Course Title: EARLY AND MEDIEVAL ASSAM TILL 1826

Unit-1:

1.01 : Sources: Archaeological, Numismatic, Epigraphy, Literary Sources

1.02 : State Formation in Early Assam

1.03 : Varmana, Salastambha and Pala dynasty

Unit-II

2.01 : Foundation of the Ahom State and its Consolidation

2.02 : State Formation in the Brahmaputra Valley-the Chutiya, Kachari, the Koch States

and Bara-Bhuyans

2.03 : Expansion of the Ahom Kingdom in the 16th century

2.04 : Political Developments in the 17th century, Ahom-Mughal Conflict

Unit-III:

3.01 : Tribal Kingdoms and Chiefdoms in Lower Assam region-their relations with the Ahom

State

3.02 : Post-Saraighat Assam, the Court crisis and Political Developments

3.03 : Ascendancy of the Tungkhungia Dynasty

3.04 : Ahom Rule at its zenith.

Unit: IV

4.01 : Decline of the Ahom Kingdom, the Moamariya Rebellion

4.02 : The Burmese Invasions

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Coordinator, IQAC



Dr. Durincipal

Dr. Durincipal

Jornal Kendup Thriting

Kendup Thrippal



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#### **SYLLABUS**

4.03 : The English Ea

The English East India Company in Assam Politics- the Treaty of Yandaboo 1826

Unit :V

5.01 : The Ahorn System of Administration-the Paik and the Klief system,

5.02: Ahom Policy towards the Neighbouring Tribes- the systems of Duar, Posa, Khat and Pam.

5.03: Abom Relations with the States of Manipur and Tripura

Suggested Readings:

Barpujari, H.K.: Assam in the Days of the Company Baruah, S.L.: A Comprehensive History of Assam Boruah, Nirode and Surajit Baruah: Asomor Iuhas

Dutta, A.K.: Maniram Dewan and the Contemporary Assamese Society

Gait E.A.: A History of Assam Nath. D.: Asam Buranii

Reference Books:

Acharyya, N.N.: The History of Medieval Assam

Baruah, S.L.: Last Days of Ahom Monarchy(1769-1826)

Baruah, S.L. and D. Nath: Chutya Jatir Buranji Bhuyan, N.C.: Baro Bhuyanr Chamu Buranji Basu, N.K.: Assam in the Ahom Age (1228-1826) Bhuyan, S.K.: Anglo-Assamese Relations(1771-1826)

Bhuyan, S.K.(ed.): Asom Buranji

Bhuyan, S.K.: Tungkhungia Buranji, by Srinath Duara Barbarua

Devi, L.: Ahom-Tribal Relations

Dutta, A.K.: Manirum Dewan and the Contemporary Assamese Society

Gogoi, L.; A History of the System of Ahom Administration

Gohain, U.N.: Assam under the Ahoms.
Nath, D.: History of the Koch Kingdom
Sarma, A.C.: Tai-Ahom System of Government

Barrel.

H. O. D.
Department of History
Jorhat Kendriya Mahavidyalaya
Kenduguri, Jorhat-10

Pranjal Dutta
Coordinator, IQAC



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#### STUDENTS LIST



#### Department of History

#### JORHAT KENDRIYA MAHAVIDYALAYA

Estd 1981

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E-mail: historydocu4@gmail.com.

College Website: jorhatkendriyamahavidyalaya.in

SESSION: 2021-22 Date: 14<sup>TH</sup> MAY -16<sup>TH</sup> MAY-2022 PLACES VISITED =KOCH BIHAR

GUIDE: KARABI BARUAH, MINAKSHI BORAH

TOTAL STUDENT: 05

| SL NO | ROLL NO | SEMESTER            | NAME            |
|-------|---------|---------------------|-----------------|
| 1     | 24      | 6 <sup>TH</sup> SEM | TRINAYAN SAIKIA |
| 2     | 50      | 6 <sup>TH</sup> SEM | DITIMONI DAS    |
| 3     | 112     | 6 <sup>TH</sup> SEM | DIYANSHU SAIKIA |
| 4     | 111     | 6 <sup>TH</sup> SEM | UTPAL DAS       |
| 5     | 159     | 4 <sup>TH</sup> SEM | PINKI SAIKIA    |

HoD, Department of History at Kendriya Mahavidyalaya

Pranjal Dutta Coordinator, IQAC



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#### **SYLLABUS**

### C) Discipline Specific Elective -4 DSE (any Four)

DSE (Course-2)

#### CONTEMPORARY POLITICS IN ASSAM

Objectives: The primary aim of this paper is to acquaint the students with the politics of contemporary Assam.

Unit - I: Composite state of Assam and its dismemberment- Geo-political features, Colonial Legacy, Social Heterogeneity, Assamese Nationality Question.

Whit - II: Politics of Autonomy in Assam: Regionalism and sub-regionalism, Demand for Autonomous state, Demand for Separate State, Demand for Sixth Schedule

Unit - III: Politics of Ethnicity in Assam: Politics of immigration and its impact on identity movement - Language movements - Assam movement - Insurgency and Secessionist movements.

Unit - IV: Inter-State border disputes (Assam-Nagaland, Assam-Meghalaya, Assam-Arunachal Pradesh)

Unit - V: Politics of Development -Development induced Displacement, Environment-Large Dams

#### Books Recommended:

- Joysankar Hazarika : Geopolitics of Northeast India, Gyan Publishers, New
- M. Hussain: The Assam Movement: Class, Identity and Ideology, Manak Publications, New Delhi, 1993
- Sandhya Goswami : Language Politics in Assam, Ajanta, New Delhi, 1997
- K. M. Deka (ed.): Nationalism and Regionalism in Northeast India, Dibrugarh University, 1985
- K. M. Deka & K.N. Phukon: Ethnicity in ASSAM, Dibrugarh University, 2001
- Girin Phukon: Assam's Attitude to Federalism, Sterling Publishers, New Delhi, 1984 : Inter-Ethnic conflict in Northeast India, (South Asian Publishers, NewDelhi, 2005)
  - Politics of Regionalism in Northeast India (Spectrum Publication, New Delhi, 2003.
- Girin Phukon & N.L. Dutta (eds): Politics of Identity and Nation Building in Northeast India, South Asian Publishers, New Delhi, 1997
- A. K. Baruah: Social Tensions in Assam
- J. Upadhyay: Student Politics in Assam, 2017
- M. Hussain: Interrogating Development, Sage, 2008
- S.K. Chaube: Hill Politics in Northeast India, Orient Longman Ltd., New Delhi, 1999

Meeta Deka: Student Movement in Assam, Vikas, New Delhi, 1996

Depti. of Pal. Science

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#### Department of Political Science JORHAT KENDRIYA MAHAVIDYALAYA

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Phone # 0376-2350009, e-mail: [kmprincipal@rediffmail.com. Fax # 0376-2350009
Residered lied by NAAC with Grade By

Ref No.

Date: 11-12-2021

To.

The Principal

Jorhat Kendriya Mahavidyalaya

Kenduguri, Jorhat-10

Sub: Field trip to study Socio-political and cultural spheres of ethnic village of Karbi people by students of the dept. of Pol. Science JKM.

I have the honour to inform you that the Pol. Science department has decided to conduct a study on the Socio-political and cultural aspects of the people of ethnic village, Karbi Anglong, Kohora, by the honours students of the department of the college on 17-12-2021. After the study of the ethnic people and village of the same the students will have to submit a copy of the "Field Study Report" to the department.

I, therefore, request you to allow the Field Study Trip on that day and oblige.

Yours Faithfully

(Dr. N.K. Sahubomat kendnya Mana serjalaya d Associate D.

HoD and Associate Professor Dept. of Pol. Science

Jorhat Kendriya Mahavidyalaya

Enclos: List of teachers' in-charge and students semester wise,

+112/2021 field shidy

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Ref : JKM /Field Study/

Date: 06-01-2022

### A Brief Report on Field Trip to Study Socio-Political & Cultural aspects of the people of ethnic village, Karbi Anglong, Kohora (Assam)

Conducted by Dept. of Political Science, Jorhat Kendirya Mahavidyalaya

- 1. Date of Field Study: 17-12-2021
- Datas Collected from : Village Headman & ethnic people of Karbi village.
- 3. Name of Supervisors : a) Dr. N. K. Sahu
  - b) Dr. B. Saikin
  - c) Ms. Puja Das
- 4. Total Students Participated: 50 (fifty).
- 5. Objectives & Purpose of the Study: The main objective & purpose of the trip was trained up the students to develop team efforts and how to prepare questionnaire for collecting data's in conducting Social Science Research Study and Seminar projects. Besides the field study was conducted by the students on the following objectives —
- a) To assess social aspects of the Karbi people of ethnic village,
- b) To study health facilities and economic condition of the indigenous inhabitant of the
- c) To examine the political consciousness among the ethnic people of Karbi village,
- d) To analyze the cultural aspects of the people of "Kajironghangpi" the ethnic village of Kohora.
- 6. Findings: The three faculty members along with 50 numbers of students departed from the College Campus at 7.00 am. on 17<sup>th</sup> December, 2021 towards ethnic Karbi village, Kohorn for conducting the study on the various aspects of indigenous Karbi people who have been residing since time immemorial. The students were fascinated by the sight seen and scenic beauty of the ethnic village. The students were divided into three groups to collect data's and

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met with numbers of local people and made interview with them to know the objectives of the study.

While interviewed with Gaon Buraha (Village Headman) Mr. Raising Rongpi disclosed some of the key objectives of the study. He said that the name Kaziranga was derived from "Kaji Ronghpi", a legendary Karbi Woman of the village. Latter Kaji Ronghpi was popularly known as "Karbi"

- a) Social aspects of the Karbi people: The ethnic people of Karbi Anglong basically connected with agricultural activities and different items of bamboo product. However, a few of them have private small tea garden. Total population of ethnic village of Karbi is 1500 only. Women of them are mostly concerned with weaving and household activities. The Government health facilities like hospitals, dispensaries are not found in the Dolmora ethnic village. However there are five "Asha Workers" to help the local people in the fields of maternity services for women community. The village is dominated by 50% of Hindus and 50% of Christian inhabitant.
- b) Political aspects of the Karbi people: The entire Karbi Anglong is divided into 26 number constituencies. While discussing with the village Headman it is observed that the people of concerned village are mostly pro BJP and they are politically conscious. Besides there is an Autonomous State Demand Committee at the grass root level which arouses political consciousness amongth local people by holding regular meetings.
- c) Cultural aspects of the Karbi people: While talking with indigenous people and village Headman, it is found that the main festival of Karbi people are divided into two as under:
  - i) Zonal Festival observed during the month of October and
  - Karbi Youth Festival celebrated during the month of January.

Moreover, there are number of ethnic festivals and dances like Rit Nong, Chingdi, Nimso Keronoung, Lemgpam Sok Chon etc. At the time of dances they used to wear their traditional dresses. It is also found that up till now the ethnic people of the concerned village are 100% Covid Vaccinated.

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Coordinator, IQAC



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7. Conclusion: The students were benefitted a lot during the field study trip. They share their Tiffin and share their views relating to the study and experience of the trip. The students were also surprised that even through there are no High Schools and Colleges in the concerned village, due to the consciousness of the inhabitant; they explore highest benefit from neighboring Kohora. It is also astonishing that though village people residing amides the Wild Life Century Kaziranga, they are up to now no attack of wild animals.

(Dr. N. K. Sahu)
HoD & Associate Professor
Dept. of Political Science
Jorhat Kendriya Mahavidyalaya

Head, Depti of Pol. Science Jornat Kendriya Mahavidyataya

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#### LIST OF STUDENTS



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Website: www.jorhatkendriyamahavidyalaya.in

Ref

Date:

Field Trip to Ethnic Village of Karbi Anglong, Kohora

Date: 17-12-2021

**Department of Political Science** 

Jorhat Kendriya Mahavidyalaya

List of Students:

#### 1st Semester

- 1. Debojit Saikia
- 2. Niha Das
- 3. Rituraj Borgohain
- 4. Avilash Kashyap
- 5. Barbi Bora
- 6. Rishika Bora
- 7. Arshad Alam
- 8. Biswajit Borah
- 9. Sanjit Karmakar
- 10. Tushar Sahu
- 11. Sourav Goswami

Pranjal Dutta
Coordinator, IQAC



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#### LIST OF STUDENTS

- 12. Kakoli Bora
- 13. Himashri Das
- 14. Minakhi Das
- 15. Kongkona Pathak
- 16. Priyanka Kalita
- 17. Ujjal Bora
- 18. Pawan Arya

#### 3<sup>rd</sup> Semester

- 1. Bitu Borah
- 2. Upasona Bordoloi
- 3. Khyati Priya Gogoi
- 4. Ishan Jyoti Bora
- 5. Anamika Gogoi
- 6. Rituraj Borah
- 7. Niharika Phukan
- 8. Ankita Das
- 9. Shalini Gupta
- 10. Sudarshana Neog
- 11. Pratyosh Pratim Saikia
- 12. Angshuman Puzari
- 13. Saddam Hussain
- 14. Ananya Das
- 15. Priyanku Jyoti Bora
- 16. Bikramjyoti Keot
- 17. Arindam Saikia
- 18. Partha Pratim Saikia
- 19. Manob Jyoti Saikia
- 20. Prachurjya Pran Bora
- 21. Pradunya Prabal Hazarika
- 22. Anurag Gondhia
- 23. Sangam Sahu
- 24. Prandeep Bora
- 25. Progyan Dutta
- 26. Mriganka Jyoti Bora

Pranjal Dutta
Coordinator, IQAC



Dr. Durincipal

Dr. Durincipal

Dornal Velleya Staticula 10

Jornal Nendu Principal



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#### LIST OF STUDENTS

27. Sankar Sahu

28. Anupam Borah

### 5th Semester

- 1. Priyanki Saikia
- 2. Bishakha Das

(Dr. N. K. Sanna Kendrya Mahavidyalaya
HoD, Political Science
Jorhat Kendriya Mahavidyalaya
Kenduguri, Jorhat - 10

Pranjal Dutta
Coordinator, IQAC



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Head, Depth of Pol Science Jornal Kendrya Mahavidyalaya





Dr. Dullers Series 10

Jornal Kendup Hncipal



Affiliated by Dibrugarh University

### FIELD STUDY REPORT ON

ETHNIC VILLAGE OF KARBI ANGLONG (KOHORA) ON 17 DECEMBER 2021





SUBMITTED TO DEPARTMENT OF POLITICAL SCIENCE JORHAT KENDRIYA MAHAVIDYALAYA, JORHAT-10

Pranjal Dutta
Coordinator, IQAC



Dr. Dulers Sent Widy alay a Jornal Control of the Kendup Horizon and Control of the Control of t



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#### **SYLLABUS**

250

### **SYLLABUS**

### Core Course 14 RESEARCH METHODS II

Objective: The course is an introductory course on how research is actually done. With emphasis on formulating research design, methods of data collection, and data analysis, it will provide students with some elementary knowledge on how to conduct both, quantitative and qualitative research.

#### Outline:

1. Doing Social Research

( weeks 1-4)

- 1.1 The Process of Social Research
  - (a) Steps of Social Research
  - (b) Research Design
- 1.2 Concepts , Hypothesis, Research Questions
- 1.3 Field (Issues and Context)
- 1.4 Sampling
- 2. Methods of Data Collection

( Weeks 5-9)

- 2.1 Survey Methods: Sampling, Questionnaire and Interview
- 2.2 Observation: Participant and non-participant
- 3. Quantitative and Qualitative Data Analysis

( weeks 10-13)

- 3.1 Quantitative Statistical Method
  - 3.1.1 Statistical Methods: Graphical and Diagrammatic Presentation of Data (Bar diagrams, Pie-diagram, Histogram, Frequency Polygon, Smoothed frequency curve and Ogives).
  - 3.1.2 Measures of Central Tendency (Simple Arithmetic Mean, Median and Mode).
  - 3.1.3 Measures of Dispersion (Standard Deviation, Variance and Covariance).
  - Quantitative: Content Analysis, Case Study, Focused Group Discussion.
- 4. Research Projects
  Field Visit and Report submission

( Weeks 14)

Jordan Carles Control Control

Pranjal Dutta
Coordinator, IQAC



Dr. Duller State 10



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#### LIST OF STUDENTS

#### JORHAT KENDRIYA MAHAVIDYALAYA

Fstd 1981

#### NAAC

#### KENDUGURI, JORHAT-785010, ASSAM

Phone # 0376-2350009, email : sociologyjkm.@gmail.com Fax # 0376-2350009

Website: www.jorhalkendriyamahavidy alaya.in

Date: 18 /12/202)

The following students of Sociology Department are allowed to go for field study for the year 2021-22.

Place: Kahara, Karbi Anglong Distrit, Assam

Date: 18 December 2021

1.> Pankhi Kalita

2.> Krishna Koch

3.> Priyakshi Dutta

4.➤ Naina Das

5.> Rajasree Tamuly

5.2 Kujusiee Tulliuly

6.≻ Anupriya Tamuli

→> Pallabi Dutta

8> Riya Dutta

9∙≻ Priyanka Kumari Gogoi

10>> Sibani Sarma

II≻ Riya Borah

12> Bonasree Kalita

13> Rajsankar Bora

14> Anurag Borah

Sibani Sarma

16> Biswal Dewka

1⊅> Nandini Goswami 18> Mausumi Dutta

19> Pronamika Neog

20> Nilakshi Barpatra

21> Akash Saikia

22> Ankur Jyoti Bordoloi

Jornat Kendriya Mahaviqyalaya

Pranjal Dutta
Coordinator, IQAC



Dr. Dullers State 10

Jornal Kendup III Jornal Kendup II Jorn



Affiliated by Dibrugarh University

#### LIST OF STUDENTS

23> Mrinmoy Jyoti Bprdoloi 24> Papu Borah 25> Bitupan Chetia 2.6> Aneswa Baruah 24> Aneswa Borah 2.8 Madhusmita Neog 29> Bidisha Borah 30> Malika Hazarika 31> Panchali Bhattacharya 32> Ritupran Paul 33> Rimjim Hazarika 34> Sanskriti Saikia as> Muskan Sing 36> Astha Baruah 34> Rausan Chaudhari 38≯ Bisal Deuka 39> Riya Hazarika 40> Panchurika Bordoiloi 41≻ Rajasree Dutta 42> Rishov Nayan Dutta 43> Gaurav Borah 44> Priyanchu Trivedi 45> Sahil Hussain

520 Raushan Chaudhari

46> Sarfaj Asif
47> Sontoch Kr Mandål
48> Pabitra Borah
49> Sibani Saikia
50> Gracy Barrow
51> Boby Mandal

( Dr Rajen Borah)

HoD, Sociology

Dept. of Sociology Jornat Kendriya Mahavioyalaya Jornat-10

Pranjal Dutta
Coordinator, IQAC



Dr. Dunnolpal Orther State 10 Ochal Kendup Incipal



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# Department of Statistics JORHAT KENDRIYA MAHAVIDYALAYA

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#### KENDUGURI, JORHAT-785 010, ASSAM

Phone # 0376-2350009,75778 00691(M) e-mail: jkmstatsdepartment@gmail.com Website : www/jorhatkendriyamahavidyalay

#### PERMISSION LETTER OF FIELD TRIP

| To  The frincipal,  Jorhat Kendriya Mahavidyalaya  Kendugui, Jorhat  bate 114/22  Subject: Seeking fermission to  on a field Trip  | , take the students   |
|--|---|
| Course curriculum of the state the students of the state the students of the state the students of the course curriculum of students of the state the students of the state of | ld like to bring<br>are planning to<br>Cth semester on<br>Part of their |
| troval to subtract to the places.  Personal to |   |

Sewali Hazarika, HOD, Dept. of Statistics

HOD
Dept. of Statistics
Jorhet Kendriya Mehavidyalaya
Jorhet-10

Pranjal Dutta
Coordinator, IQAC



Dr. Duffindipal Jornal Kenduprincipal



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### Department of Statistics

JORHAT KENDRIYA MAHAVIDYALAYA

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# DEPARTMENT OF STATISTICS FIELD STUDY / PROJECT REPORT JORHAT KENDRIYA MAHAVIDYALAYA

Session: 2021 -- 2022

Date: 22 / 04/2022

Places visited: Baghmora Goan, Jorhat

Guide: Sewali Hazarika(HOD)

Dr. Sanhita Sarmah,

Leena Saikia

Total students: 10

OBJECTIVES: Population Studies and to examine the current status of the implementation of the various Rural development schemes of the Government of India in our selected village.

#### Importance of the places visited:

Our research field is Baghmora village in Jorhat district. The Baghmora village is located in Jorhat east subdivision of Jorhat district in Assam, India. It is situated 8k.m. away from Jorhat. This village is under the 31 no. Madhya Charigaon Gram Panchayat, Ward no 4. This village has total population of 265 peoples, out of which male populations is 122 and female population is 143. Maximum people of Baghmora village belong to the caste of MOBC. There are about 56 houses in Baghmora village. The main occupation of the people of this village is agriculture. The literary rate of this village is almost good. Jorhat is the nearest town to Baghmora village for all major economic activities, which is approximately 10 k.m. away. This village has well equipped water supply plan named "Baghmora Pani Jogan Aachani" and Brahmaputra water supply. The 'Na-Bora Hospital' near Baghmora

Dept. of Statistics

John Kendriya Manavidyalaya

John-19.

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# Department of Statistics JORHAT KENDRIYA MAHAVIDYALAYA

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village plays an important role to give the preliminary health treatment of the people of Baghmora .The people of this village have got advantages of various rural development scheme implemented by central government.

Conclusion: Baghmora village is one of the adopted ideal village of Jorhat Kendriya Mohavidyalaya. The culture and tradition of the people of village make this village a research place for students and scholars.

Some related Photographs:



Sewali Hazarika, HOD, Dept. of Statistics

HOD
Dept. of Statistic
Jorhet Kendriya Mahavidyalaya
Jorhet-10

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#### LIST OF STUDENTS



### **Department of Statistics**

ORHAT KENDRIYA MAHAVIDYALAYA

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Phone # 0376-2350009, 75778 00691(M) e-mail: jkmstatsdepartment@gmail.com

Website: www/jorhatkendriyamahavidyalaya.in

The following students of Statistics Department were engaged in Experimental Learning through Field Study for the session 2021-22---

| SL.NO              | Name of the Students | Semester                    |  |
|--------------------|----------------------|-----------------------------|--|
| 01                 | Gautom Singh         | B.Sc. 6 <sup>th</sup> . sem |  |
| 02                 | Pranab Kr. Borah     | DO                          |  |
| 03                 | Riki Rani Hazarika   | DO                          |  |
| 04                 | Bidyut Bikash Nath   | DO                          |  |
| 05                 | Ansar Ansari         | DO                          |  |
| 06                 | Deep Jyoti Saikia    | B.Sc. 4 <sup>th</sup> .Sem  |  |
| 07 Nilutpal Chutia |                      | DO                          |  |
| 08 Rupam Chutia    |                      | B.Sc 2 <sup>nd</sup> . Sem  |  |
| 09                 | Animesh Goswami      | B.A 2 <sup>ND</sup> . Sem   |  |

Alayerika Sewali Hazarika HOD, Dept. of Statistics Dept of Statistics
Jorhat Kendriya Mahavidyalaya

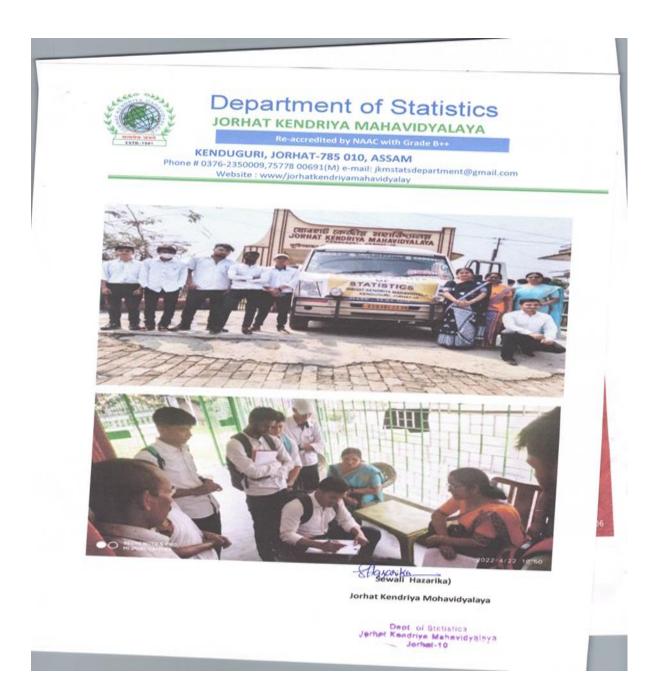
Pranjal Dutta Coordinator, IQAC



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Pranjal Dutta
Coordinator, IQAC



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#### **SYLLABUS**

| Zoo 311 - 000: Economic Zoology   |
|---|
| For Non-ciscs course. Marks: 12 (1A) + 48 (End Sem) - 60 42 lecture hours   |
| Unit-1 Major insect pests of paddy, tea and stored grains and their biology. Pest management-chemical, cultural and biological, integrated pest management limit-2 Life histories of silkworm (eri, muga and mulharm).  |
| O Linut- THE DISTORIES of sill  |
| discuses of silkworms and in the district of silkworms.   |
|   |
| culture of lac insect.  |
| Unit-4: Principles and practices in aquaculture, fish and prawn culture, preparation and  |
|   |
| hybridization technique in fishes; fish preservation methods, fish by-products  Unit-5: Piggery: management and practice.   |
| (chicken and duck) and their scientific against poultry selection of breed  |
| prevention/control,   |
|   |
| ZouMP- 607: Practical based on ZooMT- 606   |
| Marks: 8 (IA) + 32 (End Sem) = 40   |
| 20 lecture hours  |
| PV-1. Identification of silkworms (eri, muga & mulberry), immature and adult stages.  E P2. Submission of life cycles of eri/ muga/ mulberry silkworms.  Study of important pests of paddy, tea plants and stored grains and their submission. Source of the submission |
| SCHEME OF THE PRACTICAL EXAMINATION:  |
| Time: 4 hrs.  |
| 1. Identification   |
| 2. Collection and submission  |
| 3. Qualitative analysis   |
| 4. Practical record book  |
| 5. Viva voce Total = 32   |
| •   |
| 15  |
|   |

Pranjal Dutta
Coordinator, IQAC



Dr. Dulen Surface 10

Jornal Kenduprincipal



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#### LIST OF STUDENTS



### Department of Zoology

JORHAT KENDRIYA MAHAVIDYALAYA

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Phone # 0376-2350009,75778 00691(M) e-mail: zoology.jkm@ gmail.com Website: www/jorhatkendriyamahavidyalaya.in

### Field Study

- 1.Date :- 13th oct / 2021
- 2.Place of visit :- Kaziranga National Park
- 3.Guide :- Mrs. Ely Phukan, Mr. Someswar Borah and Dr. Panchali Karmakar
- 4.Total Students 1st Sem 23, 5th Sem 32
- 5. Objective :- For studying different livinganimals, their habitat and their habitat
- 6.Importance of the place visited :- It is very important for educational knowledge as well as practical knowledge
- Conclusion: This is the part of education to aquire knowledge.

Feed back from Students: As a students we have come across different challenges. From this trip we have gained so much information not onlyabout the subject but also experience on team work.

(Someswar Borah)

Hod

Dept of Zoology
Head of the Department
Zoology
Jorhat Kendriya Mahavidyalayii
Kenduguri, Jornat-10

Pranjal Dutta
Coordinator, IQAC



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#### LIST OF STUDENTS



### Department of Zoology

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#### 2021

1stemestr

ZOOLOGY

SL Roll no

Name -

- 26. Jyotishmanbairagi
- 2. 27. Karabi Borah
- 3. 30 Mala Boorah
- 4. 31. Manash Patir
- 5. 35. Mondip Snowal
- 6. 39. Pratush hazarika
- 7. 44. Sikhamoni Gogoi
- 8. 47. Sujata Dutta
- 49. Sabnam Parveen
- 10, 57. Modin Doley
- 11. 53. Chandan P Deui

Head of the Department Zociogy Jorhat Kendriya Mahavidyalaya Kenduguri, Jorhat-10

Pranjal Dutta
Coordinator, IQAC



Dr. Dulen Suikid 10

Jornal Kenduprincipal



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#### LIST OF STUDENTS



# Department of Zoology JORHAT KENDRIYA MAHAVIDYALAYA

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St. Roll Name

12. 62. Nilufar rahman

13. 64. Sahin Ahmed

14. 71. Bhaskar Doley

15. 72. Mithun Das

16. 82. Jyoti das

17. 85. prabal Pegu

ાં. 86. Manujya Pegu

19. 63. Masuma Begum

٥٠. 93. Sanu Doley

21. 96. Hemanga Bairagi

રર. 103. Gauranga Saikia

<sup>23.</sup> 95. Ujjal Doley

Head of the Department Zoology Jorhat Kendriya Mahavidyalan Kenduguri, Joshata 1

Pranjal Dutta
Coordinator, IQAC



Dr. Dulens State 10 Jornal Kendu Principal



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#### LIST OF STUDENTS



### Department of Zoology

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#### 2021

#### 5th Semester

#### ZOOLOGY

| SL. | R. N | lo. Nam          |
|-----|------|------------------|
| 24. |      | Punam Patir      |
| 25. | 03.  | Rituparna Phukan |
| 26. | 06.  | Nabajyoti Nath   |
| 27. | 07.  | Kausuri Hazarika |
| 28. | 08.  | Nayanmoni Neog   |
| 29. | 11.  | Pankaj tasa      |
| 30. | 12.  | Sony Gupta       |
| 31. | 13.  | Latumoni Borah   |
| 32. | 14   | Ronish Paul      |
| 33  | 25   | Arnabjyoti Bora  |

Head of the Department Zoology
Jornat Kendriva Michaeldyalayi
Kend

Pranjal Dutta
Coordinator, IQAC

34. 37. Sanjana Rai



Dr. Dulen Surkia 10

Jornal Kenduprincipal



Affiliated by Dibrugarh University

LIST OF STUDENTS



### Department of Zoology

JORHAT KENDRIYA MAHAVIDYALAYA

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St.no Rollno

Name

50. 66. DipjyotiDaw

51 90. Jugyajyoti Gogoi

52. 96. Priyatanu Dey

53. 103. Ballavraj Borah

54. 106. Riturj Kurmi

55 22. Jugal Tye

Spri

Head of the Department Zoology Jorhat Kendriya Mahavidyalaya Kendriqutti, Jorhat-10

Pranjal Dutta
Coordinator, IQAC



Dr. Duffindipal Dr. Duffindipal Jornal Kendup Incipal



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#### LIST OF STUDENTS

#### COMMUNITY COLLEGE, Jorhat Kendriya Mahavidyalaya

The students of Diploma in Tea plantation and management has done their field visit for the session 2021-22

#### Place:

- 1. Chenijan Tea Estate, Jorhat
- 2. Akhoidesa Tea Estate, Jorhat
- 3. Tocklai Tea Research Institute, Jorhat
- 4. Tea Auction Center, Jorhat

List of students participated in field visit

| Serial no. | Roll no. | Name              |
|------------|----------|-------------------|
| 1          | 1        | GaurangaGogoi     |
| 2          | 2        | Hritam Kumar Das  |
| 3          | 3        | Niraj gogoi       |
| 4          | 4        | SamiranNeog       |
| 5          | 7        | HimantaBorgohain  |
| 6          | 8        | RamanandaSaikia   |
| 7          | 9        | Supratim Rajkhowa |
| 8          | 10       | RubulHandique     |
| 9          | 11       | Niranjan Gogoi    |
| - 10       | 12       | Akash Hazarika    |
| 11         | 13       | SankarSahu        |
| 12         | 14       | PriyakshiDehingia |
| 13         | 15       | NikhitabhGogoi    |
| 1.1        | 16       | NoyanmoniKachari  |
| 15         | 17       | PorishmitaKachari |
| 16         | 18       | Dimpoljit Bora    |

Pinaki Hazarika (Coordinator) Community College, JKM

Department of Botani

Pranjal Dutta
Coordinator, IQAC



Dr. Dulen Sent Widy alay a Jornal To Kendupri Jornal 10



Affiliated by Dibrugarh University

### LIST OF STUDENTS

| Serial no. | Roll no. | Name                 |
|------------|----------|----------------------|
| 17         | 19       | Polash Jyoti Bora    |
| 18         | 21       | Dikshit Gogoi        |
| 19         | 2.3      | Robin Kurmi          |
| 20         | 24       | BishwajitUrang .     |
| 21         | 25       | Priyanka Dutta       |
| 22         | 26       | Dipankar Doley       |
| 23         | 27       | Nasiur Rahman        |
| 24         | 28       | Ankur Jyoti Phukan   |
| 25         | 29       | Bhaskar Jyoti Chetia |
| 26         | 30       | RupjyotiBhuyan       |
| 27         | 31       | Imdadul Hussain      |
| 28         | 32       | Arifakraml lussain   |
| 29         | 33       | Debojit Borah        |
| 30         | 34       | Anjan Buragohain     |
| 31         | 35       | Sourav Jyoti Konwar  |
| 32         | 36       | RituponDuwara        |
| 3.3        | 37       | Ponchi Bora          |
| 34         | 38       | Rocktim Ranjan Bora  |
| 35         | 39       | Ritu raj Deori       |
| 36         | 40       | BishalPachani        |
| 37         | -41      | HimantaBuragoham     |
| 38         | 42       | Prasanta Konwar      |
| 39         | 4.3      | ShraboniGogoi        |
| 40         | 44       | Madhab Sahu          |
| 41         | 45       | Umakanta Tanti       |
| 42         | 46       | Rumi Kalita          |
| 43         | 47       | ProgyanKalita        |
| 44         | 48       | Pranjalkalita        |
| 45         | 49       | RimpiNeog            |
| 46         | 50       | DeeplinaSaikia       |
| 47         | 51       | Debisha Borah        |
| 48         | 52       | Debasish Kachari     |

Pinaki Hazarika (Coordinator)

Community College, JKM



Pranjal Dutta
Coordinator, IQAC



Dr. Dulen State 10

Jornal Kendu Principal



Affiliated by Dibrugarh University

### LIST OF STUDENTS

| Serial no. | Roll no. | Name                 |
|------------|----------|----------------------|
| 49         | 54       | JyotikhaGogoi        |
| 50         | 55       | SumitBoraik          |
| 51         | 56       | DipankorBhattachayya |
| 52         | 57 -     | Sachin Bawri         |
| 53         | 58       | Shakuntola Sobor     |
| 54         | 60       | Anju Tanti           |
| 55         | 61       | Snigdhani Borah      |
| 56         | 62       | DhurbaChangmai       |
| 57         | 63       | AkshaykumarChetia    |
| 58         | 64       | Dipankar Boruah      |
| 59         | 66       | Karan PranGogoi      |
| 60         | 67       | Kriteeprasana Borah  |
| 61         | 68       | SrimantaChutia       |
| 62         | 69       | Chandan Jyoti Saikia |
| 63         | 70       | BiplobSaikia         |
| 64         | 71       | Hemanta Tanti        |
| 65         | 72       | Samual Tanti         |
| 66         | 73       | DijenKurmi           |
| 67         | 74       | Baishnab Jyoti Das   |
| 68         | 75       | Amlan Jyoti Bora     |
| 69         | 76       | MintuSaikia          |

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Department of Botan

Pranjal Dutta
Coordinator, IQAC



Dr. Dullera Stelle und vallay a Jornal Kendu Pillneipal



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#### LIST OF STUDENTS

#### COMMUNITY COLLEGE, Jorhat Kendriya Mahavidyalaya

The students of B.Voc course in Small Tea Garden Management has done their field visit for the session 2021-22

#### Place:

- 1. Chenijan Tea Estate, Jorhat
- 2. Akhoidesa Tea Estate, Jorhat
- 3. Tocklai Tea Research Institute, Jorhat
- 4. Tea Auction Center, Jorhat

List of students participated in field visit

| Serial no. | Roll no. | Name                 |
|------------|----------|----------------------|
| 1          | 1        | Joyashree Dutta      |
| 2          | 2        | Simanta Duta         |
| 3          | 3        | MinakhiGogoi         |
| 4          | 4        | Zaheer Uddin Ahmed   |
| 5          | 5        | Ballabh raj borah    |
| 6          | - 6      | Priyanku Rajbanshi   |
| 7          | 7        | Mriganka Deka        |
| 8          | 8        | Bhargay Protim Dutta |
| 10         | 10       | Bikash Borkotoky     |

Pinaki Hazarika (Coordinator)

Community College, JKM

Total se

Pranjal Dutta
Coordinator, IQAC



Dr. Dullen State 110

Jornal Kendup Thripalay



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### **PROJECT WORK**





Dr. Duleys State 10



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Course Code: BD606T

DSE Course - VI: Natural Resource Management

The objective of this course is to expose the students to different natural resources and their management practices

> THEORY Lectures: 60

Unit 1: Natural resources Definition and types. (2 lectures)

Unit 2: Sustainable utilization

(S lectures)

Concept, approaches (economic, ecological and socio-cultural).

Unit 3: Land (8 lectures)

Utilization (agricultural, pastoral, horticultural, silvicultural); Soil degradation and management.

Unit 4: Water (S lectures)

Fresh water (rivers, lakes, groundwater, aquifers, watershed); Marine; Estuarine; Wetlands; Threats and management strategies.

Unit 5: Biological Resources

(12 lectures)

Biodiversity-definition and types; Significance; Threats; Management strategies; Biodiversity Hot Spot (Terrestrial & Marine), IUCN Species categories, In situ & Ex situ conservation, Bioprospecting; IPR; CBD; National Biodiversity Action Plan). Biodiversity and Sustainable development

Unit 6: Forests (6 lectures)

Definition, Cover and its significance (with special reference to India); Major and minor forestproducts; Depletion; Management.

Renewable and non-renewable sources of energy

(6 lectures)

Unit 8: Contemporary practices in resource management (8 lectures) E1A, G1S, Participatory Resource Appraisal, Ecological Footprint with emphasis on carbon footprint, Resource Accounting: Waste management.

Unit 9: National and international efforts in resource management and conservation

(4 lectures)
National and international efforts in natural resource management and their conservation approaches

45

-7-677

Pranjal Dutta
Coordinator, IQAC



Dr. Dulers Sent Widy alay a Jornal Control of the Kendup Horizon and Control of the Control of t



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Course Code: BD606P DSE Course – VI - Practical: Natural Resource Management

- Estimation of solid waste generated by a domestic system (biodegradable and nonbiodegradable) and its impact on land degradation.
- Collection of data on forest cover of specific area.
- Measurement of dominance of woody species by DBH (diameter at breast height) method.
- Calculation and analysis of ecological footprint.
- Ecological modeling.

### Suggested Readings

- Vasudevan, N. (2006). Essentials of Environmental Science. Narosa Publishing House, New Delhi.
- Singh, J. S., Singh, S.P. and Gupta, S. (2006). Ecology, Environment and Resource Conservation. Anamaya Publications, New Delhi.
- Rogers, P.P., Jalal, K.F. and Boyd, J.A. (2008). An Introduction to Sustainable Development. Prentice Hall of India Private Limited, New Delhi.

Pranjal Dutta
Coordinator, IQAC



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## Department of Botany

Re-accredited by NAAC with Grade B+

KENDUGURI, JORHAT-785 010, ASSAM

Phone # 0376-2350009, 75778 00691(M) e-mail: botanydepartment558@gmail.com Website: www/jorhatkendriyamahavidyalaya.in

The following students of Botany Department, Jorhat Kendriya Mahavidyalaya were engaged in experimental learning through project work for the year 2021-

| Sl. no       | Roll no                          | Candidate Name       |  |  |  |
|--------------|----------------------------------|----------------------|--|--|--|
| 1.           | 30320003                         | Abhishek Singha      |  |  |  |
| 2.           | 30320 008                        | Amar Jyoti Saikia    |  |  |  |
| 3.           | 30320 013                        | Astur Doley          |  |  |  |
| 4.           | 30320020                         | Champak Borah        |  |  |  |
| 5.           | 30320022                         | Dev Saru             |  |  |  |
| 6.           | 30320024                         | Digbijoy Kaman       |  |  |  |
| 7.           | 30320027                         | Ezazur Hussain       |  |  |  |
| 8.           | 30320043                         | Nilom Jyoti Lahon    |  |  |  |
| 9. 30320045  |                                  | Partha Protim Bora   |  |  |  |
| 10. 30320050 |                                  | Rahul Limbu          |  |  |  |
| 11.          | 30320056                         | Shiva Sangma         |  |  |  |
| 12.          | 12. 30320059 Susanta Jyoti Saiki |                      |  |  |  |
| 13.          | 30320060                         | Tulon Bora           |  |  |  |
| 14.          | 30320063                         | Farnaz Yasmin        |  |  |  |
| 15.          | 30320067                         | Lina Gogoi           |  |  |  |
| 16.          | 30320068                         | Nandita Harizan      |  |  |  |
| 17.          | 30320072                         | Punam Priya Hazarika |  |  |  |
| 18.          | 30320078                         | Tribeni Hafllongbar  |  |  |  |

Marika Hood Swam

Pranjal Dutta
Coordinator, IQAC



Dr. Duller State 10



Affiliated by Dibrugarh University







Dr. Dullen Staticus 10 och at Kendup Hncipal



Affiliated by Dibrugarh University

MEDICINAL PLANT OF ASSAM AND THEIR USES WITH SPECIAL REFERENCE OF JORHAT, KARBI ANGLONG, GOLAGHAT, DIBRUGARH AND SIVASAGAR DISTRICTS

A Project submitted in partial fulfillment of the requirements for the award of the degree of Bachelor of Science in Botany of



Dibrugarh University, Session:2018-2021

### Submited by

Neebha Kumari Exam roll no- 16520081 DU Registration no- S1838232 Department of Botany



Jorhat Kendriya Mahavidyalaya Kenduguri , Assam , Pin no-785010

Pranjal Dutta
Coordinator, IQAC



Dr. Duffice Senting 10 orbat Kendup Fincipal



Affiliated by Dibrugarh University

## BAMBOO SPECIES OF ASSAM AND IT'S IMPORTANCE

A Project submitted in partial fulfillment of the requirements for the award of the degree of Bachelor of Science in Botany

Of



Dibrugarh University Session: 2018-2021

Submitted by: Priyanki Dutta Exam roll no: 16520084 DU Registration no: S1838248



Jorhat Kendriya Mahavidyalaya Jorhat, Assam Pin no-785001

0

Pranjal Dutta
Coordinator, IQAC



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Affiliated by Dibrugarh University

Musa species of Assam and their uses with special reference to Assam

A Project submitted in partial fulfillment of the requirements for the award of the degree of Bachelor of Science in Botany

Of



Dibrugarh University Session:2018-20

Submitted by Bidyut bikash gogoi Exam roll no- 16520015 DU Registration no- S1838169



JorhatKendriyaMahavidyalaya Jorhat, Assam

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Affiliated by Dibrugarh University

Musa species of Assam and their uses with special reference to Assam

A Project submitted in partial fulfillment of the requirements for the award of the degree of Bachelor of Science in Botany

Of



Dibrugarh University
Session:2018-20

Submitted by
Semim sultana
Exam roll no- 16520090
DU Registration no- S1838273



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Pranjal Dutta
Coordinator, IQAC



Dr. Dulers Sent Widy alay a Jornat 10 Jornat 10 Kendup Incipal



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### CONTRNI

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- 2) Introduction
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- 4) India tea and Assam tea
- 5) Assam tea garden
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  - ° Sivsagar
  - ° Jorhat
  - ° Golaghat
- 6) Tea diseases in Assam
  - ° Leaf and Flower diseases
  - ° Root diseases
  - °Stem diseases
- 7) Algal, fungal, bacterial and pest diseases of tea plant
- 8) Control of tea diseases
- 9) Conclusion
- 10) Bibliography

Pranjal Dutta
Coordinator, IQAC



Dr. Dulers Sent Vidy alay a Jornal Cendup Incipal



Affiliated by Dibrugarh University







This is to certify that the Project "Assam tea and their diseases and control with special reference to dibrugarh, Sivasagar, Jorhat and Golaghat districts" submitted by Mr. Alok Boruah, 6th Semester student of the Department of Botany, Jorhat Kendriya Mahavidyalaya under Dibrugarh University, for partial fulfillment of the requirements for the award of the degree of Bachelor of Science in Botany embodies the record of orginal investigation carried out by him under our supervision.

He has fulfilled all the requirements under the rules and regulations for the award of Bachelor of Science of the Dibrugarh University.

Mrs. Pinaki Hazarika
H.O.D. Department of Botany
Jorhat Kendriya Mahavidyalaya, Jorhat, Assam

Pranjal Dutta Coordinator, IQAC



Kendup Tincipal



Affiliated by Dibrugarh University

"Assam tea and their diseases and control with special reference to dibrugarh, Sivasagar , Jorhat and Golaghat district"

A Project submitted in partial fulfillment of the requirements for the award of the degree of Bachelor of Science in Botany

Of



Dibrugarh University Session:2018-20

Submitted by

ALOK BORUAH

Exam roll no-16520002 DU Registration no- S1838148



Jorhat Kendriya Mahavidyalaya Jorhat, Assam Pin no-7851010

Pranjal Dutta
Coordinator, IQAC



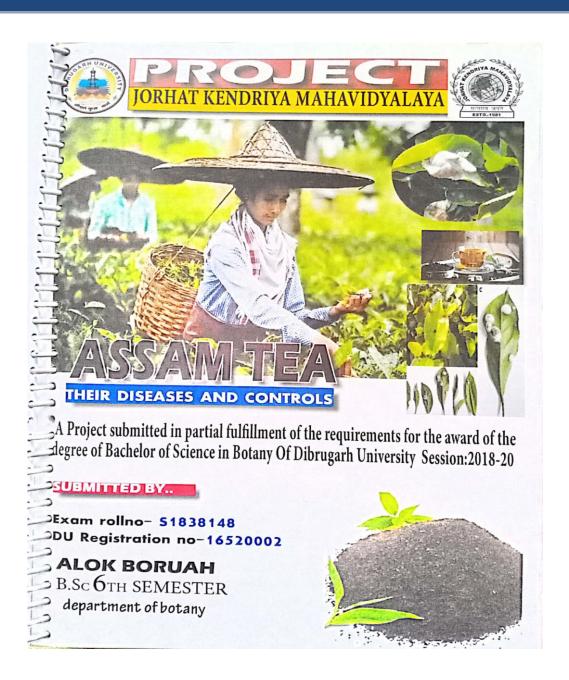
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Affiliated by Dibrugarh University







Dr. Dulen State 10

John Kendu Principal

Kendu Principal



Affiliated by Dibrugarh University

Different varieties of rice cultivated in Assam and their diseases with special reference to......districts

A Project submitted in partial fulfillment of the requirements for the award of the degree of Bachelor of Science in Botany

Of



Dibrugarh University Session:2018-20

Submitted by Annajyoti deuri

Exam roll no-16520007 DU Registration no-S1838154



JorhatKendriyaMahavidyalaya Jorhat, Assam Pin no-7851010

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Jornal Kendup Thicipal



Affiliated by Dibrugarh University

### **CERTIFICATE**

This is to certify that the Project "Different varieties of rice cultivated in Assam and their diseases with special reference to.........districts" submitted by Mr. Annajyoti deuri, 6<sup>th</sup> Semester student of the Department of Botany, JorhatKendriyaMahavidyalaya under Dibrugarh University, for partial fulfillment of the requirements for the award of the degree of Bachelor of Science in Botany embodies the record of orginal investigation carried out by him under our supervision.

He has fulfilled all the requirements under the rules and regulations for the award of Bachelor of Science of the Dibrugarh University.

> Mrs. PinakiHazarika H.O.D. Department of Botany JorhatKendriyaMahavidyalaya, Jorhat, Assam

> > HoD
> > Department of Botany
> > Jorhat Kendriya Mahavidyalaya

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Coordinator, IQAC



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### **CONTENTS**

- 1) Certificate
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- 3) Introduction
- 4) Rice Definition, Season, Climate and Soil types.
- 5) Materials and methods
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  - 4.2) Varieties of Rice Cultivation
  - 4.3) Varieties of Diseases affecting Rice
- 6) Observations
- 7) Results and discussions
- 8) Conclusion
- 9) References

Pranjal Dutta
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Dr. Dulensen kuldvalava Jornal Kendupri Jornal 10 Kendupri Jornal



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### **Syllabus**

CBCS: B. Sc. (Honours) with CHEMISTRY Discipline Specific Elective (DSE) Course

CHEMISTRY
(Honours)
(5th Semester)
Course No.: CHEMISTRY-DSE-502

(Green Chemistry)
Contact Hours: 60

Full Marks = 70 [ End Semester Exam (56) Internal Assessment (14)]

Unit-1: Introduction to Green Chemistry

What is Green Chemistry? Need for Green Chemistry. Goals of Green Chemistry. Limitations? Obstacles in the persuit of the goals of Green Chemistry.

4 Lectures & 4 Marks

#### Unit 2: Principles of Green Chemistry and Designing a Chemical synthesis

Twelve principles of Green Chemistry with their explanations and examples and special emphasis on the following

- Designing a Green Synthesis using these principles; Prevention of Waste/ byproducts; maximum incorporation of the materials used in the process into the final products, Atom Economy, Calculation of atom economy of the rearrangement, addition, substitution and elimination reactions.
- ii) Prevention/ minimization of hazardous/ toxic products reducing toxicity
- iii) Green solvents- supercritical fluids, water as a solvent for organic reactions, ionic liquids, fluorous biphasic solvent, PEG, solventless processes, immobilized solvents and how to compare greenness of solvents.
- iv) Energy reuirements for reactions- alternative sources of energy: use of microwaves and ultrasonic energy.
- v) Selection of starting materials; avoidance of unnecessary derivatization- careful use of blocking/ protecting groups.
- vi) Use of catalytic reagents (wherever possible) in preference to stoichiometric reagents; catalysis and green chemistry, comparison of heterogeneous and homogeneous catalysis.
- vii)Prevention of chemical accidents designing greener processes, inherent safer design, principle of ISD "What you don't have cannot harm you", greener alternative to Bhopal Gas Tragedy (safer route to carcarbaryl) and Flixiborough accident (safer route to cyclohexanol) subdivision of ISD, minimization, simplification, substitution, moderation and limitation.
- viii)Strengthening/ development of analytical techniques to prevent and minimize the generation of hazardous substances in chemical processes.

30 Lectures & 27 Marks

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### Unit 3: Examples of Green Synthesis/ Reactions and some real world cases:

Green Synthesis of the following compounds: adipic acid, catechol, disodium iminodiacetate (alternative to Strecker synthesis)

Microwave assisted reactions in water: Hofmann Elimination, methyl benzoate to benzoic acid, oxidation of toluene and alcohols; microwave assisted reactions in organic solvents, Diels-Alder reaction and Decarboxylation.

Ultrasound assisted reactions: sonochemical Simmons- Smith Reaction (Ultrasonic alternative to Iodine)

Surfactants for carbon dioxide- replacing smog producing and ozone depleting solvents with CO2 for precision cleaning and dry cleaning garments.

Designing of Environmentally safe marine antifoulant.

Rightfit pigments: synthetic azopigments to replace toxic organic and inorganic pigments. An efficient, green synthesis of a compostable and widely applicable plastic (poly lactic acid) made from corn.

Healthier Fats and Oil by Greecn Chemistry: Enzymatic Inter esterification for production of no Trans-Fats and Oils.

Development of Fully Recyclable Carpet: Cradle to Cradle Carpeting.

16 Lectures & 15 Marks

Unit 4: Future Trends in Green Chemistry:

Oxidation reagents and catalysts; Biominimetic, multifunctional reagents; Combinatorial green chemistry; Proliferation of solventless reactions; co crystal controlled solid state synthesis (C2S3); Green chemistry in sustainable development.

10 Lectures & 10 Marks

### Reference Books:

- V. K. Ahluwalia & M. R. Kidwai: New Trends in Green Chemistry, Anamalaya Publishers (2005).
- P. T. Anastas & J. K. Warner: Oxford Green Theory and Practical, University Press (1998).
- A. S. Matlack: Introduction to Green Chemistry, Marcel Dekker (2001).
- M. C. Cann & M. E. Connely: Real-World cases in Green Chemistry, American Chemical Society, Washington (2000).
- M. A. Ryan & M. Tinnesand, Introduction to Green Chemistry, American Chemical Society, Washington (2002).

Journal Keudulia Wayanigheraha

Pranjal Dutta Coordinator, IQAC





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Jorhat Kendriya Mahavidyalaya

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Phone # 0376-2350009,75778 00691(M) e-mail: chemistrydepartmentjkm@gmail.com Website : www/jorhatkendriyamahavidyalaya.in

The following students of chemistry department were engaged in experimental learning through project works for the partial fulfillment of B.Sc. for the year 2021-2022:

| SI.<br>No. | Name of Student<br>studied<br>course on include<br>experiential<br>learning through<br>project work/field<br>work/internship | Programme<br>name | Programme<br>Code | Name of the<br>course that<br>include<br>experiential<br>learning<br>through project<br>work/field<br>work/internship | Course<br>code | Year of<br>offering | Link to<br>the<br>relevant<br>document |
|------------|--|-------------------|-------------------|---|----------------|---------------------|--|
| 1          | Abishek Banik  | B.Sc. (MM)        | UG-CHEM           | Project Work  | DSE-603        | 2021-22             |  |
| 2          | Akash Pegu   | B.Sc. (MM)        | UG-CHEM           | Project Work  | DSE-603        | 2021-22             |  |
| 3          | Ankur Chetri   | B.Sc. (MM)        | UG-CHEM           | Project Work  | DSE-603        | 2021-22             |  |
| 4          | Baishnob Loyng   | B.Sc. (MM)        | UG-CHEM           | Project Work  | DSE-603        | 2021-22             |  |
| 5          | Bedanta Bikash<br>Bora   | B.Sc. (MM)        | UG-CHEM           | Project Work  | DSE-603        | 2021-22             |  |
| 6          | Bhaskor Jyoti<br>Bordoloi  | B.Sc. (MM)        | UG-CHEM           | Project Work  | DSE-603        | 2021-22             |  |
| 7          | Jatin Hasda  | B.Sc. (MM)        | UG-CHEM           | Project Work  | DSE-603        | 2021-22             |  |
| 8          | Kaustav jyoti saikia   | B.Sc. (MM)        | UG-CHEM           | Project Work  | DSE-603        | 2021-22             |  |
| 9          | Kumar kishor Bora  | B.Sc. (MM)        | UG-CHEM           | Project Work  | DSE-603        | 2021-22             |  |
| 10         | Mondeep kashyap  | B.Sc. (MM)        | UG-CHEM           | Project Work  | DSE-603        | 2021-22             |  |
| 11         | Monjit Bora  | B.Sc. (MM)        | UG-CHEM           | Project Work  | DSE-603        | 2021-22             |  |
| 12         | Mausum Bailung   | B.Sc. (MM)        | UG-CHEM           | Project Work  | DSE-603        | 2021-22             |  |
| 13         | Mrinal Borah   | B.Sc. (MM)        | UG-CHEM           | Project Work  | DSE-603        | 2021-22             |  |
| 14         | Pankoj pegu  | B.Sc. (MM)        | UG-CHEM           | Project Work  | DSE-603        | 2021-22             |  |
| 15         | Rahul Thapa  | B.Sc. (MM)        | UG-CHEM           | Project Work  | DSE-603        | 2021-22             |  |
| 16         | Rakesh Borah   | B.Sc. (MM)        | UG-CHEM           | Project Work  | DSE-603        | 2021-22             |  |
| 7          | Rituraj Baruah   | B.Sc. (MM)        | UG-CHEM           | Project Work  | DSE-603        | 2021-22             |  |
| 18         | Sidhartho<br>Changmai  | B.Sc. (MM)        | UG-CHEM           | Project Work  | DSE-603        | 2021-22             |  |
| 19         | Progoti Diutta   | B.Sc. (MM)        | UG-CHEM           | Project Work  | DSE-603        | 2021-22             |  |
| 20         | Tashmin Ansari   | B.Sc. (MM)        | UG-CHEM           | Project Work  | DSE-603        | 2021-22             |  |

Mrs Parinita Baruah Head Chemistry Department

HOD
Dept. of Chemistry
Jorhat Kendriya Mahavidyalaya
Jorhat-10

Pranjal Dutta
Coordinator, IQAC



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Project Work of 6<sup>th</sup> Semester students done in the laboratory of Chemistry department (2021-2022)

Study on Extraction of Banana Fibre from banana stem using NaOH

Name of students: Sidhartho Changmai, Tasmin Ansari, Progati Dutta, Mausum Bailung





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Waste management: Study and quality analysis of homemade paper Name of students: Abishek Banik, Rahul Thapa, Jatin Hasda, Mondeep Kashyap

Departmental Guide: Mr Binod Kr Hazarika, Dr Sinki Kolita





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Quality analysis of Drinking Water of Baghmara Gaon, an Adopted Village of JKM with Special Reference to Hazardous Elements

Name of Students: Mrinal Borah, Kumar Kishur Bora, Baishnab Loying, Bhaskar Jyoti

Bordoloi

Departmental Guide: Mrs Parinita Baruah, Mrs Jyoti Sikha Borah





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Study on compost making from kitchen waste

Name of Students: Pankaj Pegu, Akash Pegu, Kaustav Jyoti

Saikia, Bedanta Bikash Bora

Departmental Guide: Mrs Parinita Baruah, Mrs Jyoti Sikha Borah

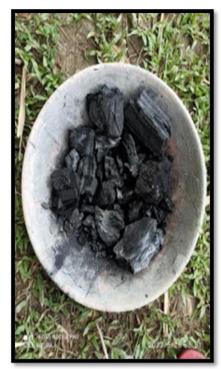




Dr. Dulen State 10



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Study on Laboratory Water Purification using PVC-Filter

Method

Name of Students: Ankur Chetri, Monjit Borah, Rakesh Bora,

Rituraj Baruah

Departmental Guide: Mrs Parinita Baruah, Mrs Jyoti Sikha

Borah





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A Project Report

on

Quality Analysis of Drinking Water of Baghmora Gaon, an Adopted Village of JKM With Special Reference to Hazardous Elements

Submitted

To

Department of Chemistry Kendriya Mahavidyalaya Jorhat, Assam (India)



Carried Out

At

The Laboratory of Chemistry Department, JKM And
Public Health Engineering Department (PHED)

Govt. Of Assam

Atilagaon, Jorhat Assam 785001

Submitted by\_

Sri Mrinal Borah

**B.Sc. 6th Semester** 

Roll No.: 30320041

Registration No.: S1905485

Year: 2022

Pranjal Dutta
Coordinator, IQAC



Dr. Dullers State 10

John Kendu Principal



Affiliated by Dibrugarh University

### STUDY ON EXTRACTION OF BANANA FIBRE FROM BANANA STEM: USING NaOH

A Project Report

By Pragati Dutta Roll no. 30320071 B.Sc. 6<sup>th</sup> Semester

Carried out at Department of Chemistry Jorhat Kendriya Mahavidyalaya Jorhat, Assam



DEPARTMENT OF CHEMISTRY Kendriya Mahavidyalaya Jorhat, Assam (India) YEAR: 2022

Pranjal Dutta
Coordinator, IQAC



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### STUDY ON COMPOST MAKING FROM KITCHEN WASTE

A Project Report

By SRI PANKAJ PEGU B.Sc.6<sup>th</sup> Semester Sub: Chemistry Roll No: 30320044

Carried out
at

Department of Chemistry

Jorhat Kendriya Mahavidyalaya

Jorhat, Assam



DEPARTMENT OF CHEMISTRY Kendriya Mahavidyalaya Jorhat, Assam (India)

Pranjal Dutta
Coordinator, IQAC



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# WINTER TRAINING PROJECT AT TOCKLAI TEA RESEARCH INSTITUTE



# TOPIC STUDIES ON SOME BIOCHEMICAL PARAMETERS OF TEA

### SUBMITTED BY:

Smaranika Khound B.Sc 5<sup>th</sup> semester Jorhat Kendriya Mahavidyalaya, Jorhat,Assam

### UNDER SUPERVISION OF:

Dr. Santanu Sabhapondit H.O.D Department of Biochemistry TTRI, Jorhat, Assam

Pranjal Dutta
Coordinator, IQAC



Dr. Durincipal

Dr. Durincipal

Jornal Kendup Thicipal



Affiliated by Dibrugarh University

## WINTER TRAINING PROJECT AT TOCKLAI TEA RESEARCH INSTITUTE



# TOPIC STUDIES ON SOME BIOCHEMICAL PARAMETERS OF TEA

### SUBMITTED BY:

Sundeep Borah B.Sc 5<sup>th</sup> semester Jorhat Kendriya Mahavidyalaya, Jorhat,Assam

### UNDER SUPERVISION OF:

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Pranjal Dutta
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Dr. Dennoipal

Dr. Dennoipal

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Kendupfincipal



Affiliated by Dibrugarh University

### PROJECT TITLE

BIOCHEMICAL ANALYSIS OF MUNG BEAN (IPM-02-3)

A REPORT SUBMITTED TO THE DIBRUGARH UNIVERSITY IN PARTIAL FULFILLMENT

OF THE REQUIREMENT FOR THE DEGREE OF B.SC.

(CHEMISTRY)

UNDER GUIDANCE OF

DR. SUNAYANA RATHI

ASSISTANT PROFESSOR,

DEPARTMENT OF BIOCHEMISTRY AND AGRICULTURAL CHEMISTRY

FA, ASSAM AGRICULTURAL UNIVERSITY

JORHAT – 13





SUBMITTED BY:

MISS ROSY KALITA

B.Sc. (CHEMISTRY DEPARTMENT)

B.Sc. 4<sup>th</sup> Semester, Roll No. 26; Regn. No. S1726653 of 2017-18

JORHAT KENDRIYA MAHAVIDYALAYA

Pranjal Dutta
Coordinator, IQAC



Dr. Dullera Sultivalaya Jornal Kendu Pilncipal



Affiliated by Dibrugarh University

STUDY OF PHYTOCHEMICAL CONSITUTENTS OF FOUR DIFFERENT HOST PLANTS OF MUGA SILKWORM

(Antheraea assamensis)



Submitted by
Rimpi Barthakur
Bsc 6<sup>th</sup> Semester
Roll No:18420119

Registration No: S1726645

Jorhat Kendriya Mahavidyalaya

Pranjal Dutta
Coordinator, IQAC



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## WINTER TRAINING PROJECT AT TOCKLAI TEA RESEARCH INSTITUTE



# TOPIC STUDIES ON SOME BIOCHEMICAL PARAMETERS OF TEA

### SUBMITTED BY:

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### UNDER SUPERVISION OF:

Dr. Santanu Sabhapondit H.O.D Department of Biochemistry TTRI, Jorhat, Assam

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### PROJECT TITLE

BIOCHEMICAL ANALYSIS OF MUNG BEAN (IPM-02-3)

A REPORT SUBMITTED TO THE DIBRUGARH UNIVERSITY IN PARTIAL FULFILLMENT

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(CHEMISTRY)

UNDER GUIDANCE OF

DR. SUNAYANA RATHI

ASSISTANT PROFESSOR,

DEPARTMENT OF BIOCHEMISTRY AND AGRICULTURAL CHEMISTRY

FA, ASSAM AGRICULTURAL UNIVERSITY

JORHAT – 13





SUBMITTED BY:

MISS ROSY KALITA

B.Sc. (CHEMISTRY DEPARTMENT)

B.Sc. 4<sup>th</sup> Semester, Roll No. 26; Regn. No. S1726653 of 2017-18

JORHAT KENDRIYA MAHAVIDYALAYA

Pranjal Dutta
Coordinator, IQAC



Dr. Dullera Sultivalaya Jornal Kendu Pilncipal



Affiliated by Dibrugarh University

### TRAINING REPORT

EVALUATION OF GROUND WATER QUALITY OF AREA ADJACENT TO CSIR-NEIST WITH SPECIAL REFERENCE TO OCCURRENCE OF IRON (III)

### SUBMITTED BY

Dipjyoti Dutta,

BSc. in Chemistry (6th semester)

Jorhat Kendriya Mahavidyalaya, 2018

### UNDER THE SUPERVISION OF

Dr. Rajib Lochan Goswamee

Senior Principal Scientist

Advanced Materials Group, Materials Science and Technology Division

CSIR-North East Institute of Science and Technology

Jorhat- 785006

ASSAM



CSIR - North East Institute of Science & Technology

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## WINTER TRAINING PROJECT AT TOCKLAI TEA RESEARCH INSTITUTE



# TOPIC STUDIES ON SOME BIOCHEMICAL PARAMETERS OF TEA

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### UNDER SUPERVISION OF:

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### PROJECT TITLE

BIOCHEMICAL ANALYSIS OF MUNG BEAN (IPM-02-3)

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UNDER GUIDANCE OF

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SUBMITTED BY:

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B.Sc. (CHEMISTRY DEPARTMENT)

B.Sc. 4<sup>th</sup> Semester, Roll No. 26; Regn. No. S1726653 of 2017-18

JORHAT KENDRIYA MAHAVIDYALAYA

Pranjal Dutta
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Dr. Dullera Sultivalaya Jornal Kendu Pilncipal



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### TRAINING REPORT

EVALUATION OF GROUND WATER QUALITY OF AREA ADJACENT TO CSIR-NEIST WITH SPECIAL REFERENCE TO OCCURRENCE OF IRON (III)

### SUBMITTED BY

Dipjyoti Dutta,

BSc. in Chemistry (6th semester)

Jorhat Kendriya Mahavidyalaya, 2018

### UNDER THE SUPERVISION OF

Dr. Rajib Lochan Goswamee

Senior Principal Scientist

Advanced Materials Group, Materials Science and Technology Division

CSIR-North East Institute of Science and Technology

Jorhat- 785006

ASSAM



CSIR - North East Institute of Science & Technology

Jorhat – 785 006, Assam INDIA

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Date: 27-02-2017

### FORWARDING

This is to certify that Mr. Dipjyoti Dutta ,student of Jorhat Kendriya Mahavidyalaya, Bsc 4<sup>th</sup> semester have worked on a project entitled "EVALUATION OF GROUND WATER QUALITY OF AREA ADJACENT TO CSIR-NEIST WITH SPECIAL REFERENCE TO OCCURRENCE OF IRON (III)" as a requirement for academic development, under my supervision during the period from 01.12.2016 to 01.01.2017 at CSIR - NEIST, Jorhat, Assam. He has successfully accomplished his project work; I wish him a better future ahead.

(P. Sengupta) 27/2/1

Head of the division Material Science & Technology Division (R.L Goswamee)
Senior Principal Scientist
Advanced Materials Group

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Project Report by Students of Dept of Chemistry

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#### 1. INTRODUCTION:

Universal access to safe drinking water is a challenge to the nation and an important public health issue. Access to safe drinking-water is essential to health, a basic human right and a component of effective policy for health protection. The quality of water resources is a subject of ongoing concern. Over 1 billion people lack access to safe drinking water worldwide. A large section of rural population in India is solely dependent on ground water which is depleting at a fast rate. It has been observed that contamination of ground water more often goes unnoticed and remains hidden from the public view. The problem of groundwater contamination by toxic heavy metals like Arsenic, Lead, Mercury, Iron, Zinc, and Cadmium has now raised concerns all over the globe and can have serious health effects. There is also evidence of prevailing heavy metals in Gujarat, Andhra Pradesh, Kerala, Delhi, Haryana, etc. In Assam, analysis of groundwater was done where high level of arsenic content was observed in areas of Titabar, Dhekorgorah in Jorhat district, Dhemaji, Golaghat, and Lakhimpur. Arsenic is a carcinogen and has acquired an unparalleled reputation as poison with arsenic trioxide contributing as a convenient agent for homicide. The concentration of Arsenic in ground water usually varies from 0.02 to 0.09 mg/L exceeding the WHO standard of 0.01 mg/L and Bureau of Indian Standard (BIS) of 0.05 mg/L. It causes many cancers including skin, lung, liver, bladder as well as cardiovascular diseases. Although Iron is only toxic at very high concentrations, it acts as a useful surrogate for othe heavy metals whose presence in drinking water is a real danger to public health. The US Federa regulations limit the amount of Iron to less than 0.3 ppm (0.3 mg/L) in municipal drinking water Repeated exposure to high concentration of iron results in adverse health effects li hemochromatosis, liver cirrhosis and siderosis. Our present study is to evaluate the total water qua of the local waters around CSIR-NEIST and to prepare a document on total water quality. Theref 28 water samples are collected from different sources of nearby areas of CSIR NEIST (Jorhat).

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#### Table 1: Details of Sample Collected Sources:

| L   | Location  | Mouza             |
|-----|---|-------------------|
| 1.  | NEIST water supply scheme   | Charaibahi Mouza  |
| 2.  | Sahpuria village water supply scheme  | Saroocharai Mouza |
| 3.  | Gharphalia LP school  | Charaibahi Mouza  |
| 4,  |   | Saroocharai Mouza |
| 5.  | Lohpohia LP school  | Charaibahi Mouza  |
| 6.  | Dhapkota LP school  | Charaibahi Mouza  |
| 7.  | Pokimuri habi gaon Public health water (treated)                                    | Charaibahi Mouza  |
| 8.  | Sonari gaon   | Charaibahi Mouza  |
| 9.  | Dhapkata milonpur gaon  | Charaibahi Mouza  |
| 10  |   | Saroocharai Mouza |
| 11  | Prince Enclave Appartment, Jorhat Town  | Jorhat Gaon       |
| 12  | Deep Tubewell from Dr. R.L. Goswamee residence                                      | Saroocharai Mouza |
| 13  |   | Saroocharai Mouza |
| 14. | Porbotia Adarsha MV   | Saroocharai Mouza |
| 15. | Public health supply water collected from residence of Dimbeswar Dutta              | Saroocharai Mouza |
| 16. | Tubewell drinking watwer collected from residence<br>of Sanjay Kalita Parbatia Gaon | Saroocharai Mouza |
| 17. | Bikudar saikia Parbatia High School untreated tubewell water                        | Charaibahi Mouza  |
| 18. | Bikudar saikia Parbatia High School treated<br>tubewell water                       | Charaibahi Mouza  |
| 19. | Sahpuria Gaon LP School   | Saroocharai Mouza |
| 20. | Pond water of Porbotia gaon   | Saroocharai Mouza |
| 21. |   | Charaibahi Mouza  |
| 22. | Bhatemora gaon Pond water   | Saroocharai Mouza |
| 23. | Namghar Gondhia Gaon  | Charaibahi Mouza  |
| 4.  | Bhatemora Gaon Gitarthee LP School  | Saroocharai Mouza |
| 5.  | Hazari Gaon LP school   | Charaibahi Mouza  |
| 6.  | Gondhia Gaon LP school  | Charaibahi Mouza  |
| 7.  | Porbotia subcenter  | Saroocharai Mouza |
| 8.  | Bhatemora namghar   | Saroocharai Mouza |

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#### 2. EXPERIMENTAL SECTION:

#### 2.1. SPECTROPHOTOMETRIC DETERMINATION OF IRON IN GROUND WATER:

#### THEORY:

Colorimetric analysis is based on the change in the intensity of the colour of a solution with variations in concentration. Colorimetric methods represent the simplest form of absorption analysis. There are two ways to measure the difference in intensity of the light beam. One is the percent transmittance, %T, which is defined as:

$$%T = \frac{lo}{l} = log \frac{1}{T} = -log T$$

For any given compound, the amount of light absorb depends upon,

- a. Concentration
- b. The path length
- c. The wave length
- d. The solvent

Absorbance is related to the concentration according to the Beer-Lambert Law;

Where  $\varepsilon$  is the extinction coefficient (M<sup>-1</sup> cm<sup>-1</sup>), b is the solution path length (cm) and c is the concentration (moles litre<sup>-1</sup>). Not all substances obey the linear Beer-Lambert law over all concentration ranges. In this experiment, we analysed for iron by reacting Iron (+II) with other analysis of the following equation:

Since the iron present in the water predominantly exists as  $Fe^{3+}$ , it is necessary to first reduce  $e^{3+}$  to  $Fe^{2+}$ . This is accomplished by the addition of an excess of reducing agent hydroxylam ydrochloride to maintain iron in the +2 state otherwise the dissolved oxygen will reoxidize  $Fe^{2+}$ .

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#### WASTE MANAGEMENT: STUDY AND QUALITY ANALYSIS OF HOMEMADE PAPER

A Project Report

By SHRI ABHISHEK BANIK B.Sc. in Chemistry 6th Semester 2022

Carried out

Department of Chemistry

Jorhat Kendriya Mahavidyalaya

Jorhat, Assam



DEPARTMENT OF CHEMISTRY Kendriya Mahavidyalaya Jorhat, Assam (India)

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Fax # 0376-2350009 Re-accredited by NAAC with B++ Website # http/www.jorhatkendriyamahavidyalaya.in

CERTIFICATE

Date: 15/06/2022

This is to certify that Shri Abhishek Banik, B.Sc. 6th Semester, Department of Chemistry, Jorhal Kendriya Mahavidyalaya, Jorhat, Assam has carried out a project entitled "Waste Management: Study and Quality Analysis of Homemade Paper".

This is a record of original project work carried out under my supervision at the college laboratory, Department of Chemistry, Kendriya Mahavidyalaya, Jorhat, Assam. He was trained on tools & techniques related to his project work during the period.

I further certify that the report or part thereof has not been submitted to any other university on institution for any such purpose.

HOD

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Guide Teacher

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#### ACKNOWLEDGEMENT

With profound respect and immense gratitude, I acknowledge my indebtedness to Dr. palen Saikia, Principal, Jorhat Kendriya Mahavidyalaya, Jorhat, Assam, for providing the pest facilities and good environment during the project period for the partial fulfillment of B.Sc. course.

I would like to express my sincere gratitude to my supervisor Mr. Binod Kumar Hararika Asst. Prof., Miss Sinki Kolita Asst. Prof., of JKM for constant guidance, encouragement and valuable suggestion in collection of literature on the subject, practical work, collection and tabulation of data and preparation of record.

I also want to express my greatest thanks to Mrs. Parinita Baruah, HOD, Department of Chemistry, JKM and Miss Jyotishikha Borah Asst. Prof., Jorhat Kendriya Mahavidyalaya for allowing me to undertake this project work in Jorhat Kendriya Mahavidyalaya.

I acknowledge my affectionate gratitude to my family and friends for their continuous encouragement and having helped me during my project work.

Alhishek Banik 15/06/2022 Shri Abhishek Banik

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#### Content

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| 2           | Aim and Objective |
| 3           | Demand and Review |
| 4           | Methodology       |
| 5           | Results           |
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| 8           | Reference         |

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#### 1. INTRODUCTION

Handmade paper is the paper made through recycled pulp. It is one of the oldest technologies of paper making. It has superb strength and texture for artists. Due to its strength and roughness, it is mostly used as file covers, letter heads and packaging etc.

Paper is an integral part of our daily life. It provides the means of recording, storage and distribution of information. About 90% of the papers are produced from mature wood pulp. The demand and consumption of paper around the world has been increasing with increasing population.

Recycled wastepaper is a significant raw material for handmade paper making. Wastepaper recycling offers substantial environment benefits in a lifecycle perspective. Eco-friendly paper is a solution to solve all environmental related problems. Recycled wastepaper is a paper that does not utilize wood for its manufacturing. It is free from all chemicals and is dried using most eco-friendly means of energy – It is a bio-degradable product. [1]

Handmade paper is eco-friendly, bio-degradable, recycled, the best in quality as well as utility and above all available at an affordable cost.

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#### 2. Aim and Objective

A study on homemade paper preparation and studying the variation it gets while trying to improve the quality of the paper.

The main objective of this study is to determine the advantages of using wastepaper as raw material for the production of handmade paper. The specific objectives are:

- i) to assess the suitability of wastepaper recycled pulp for handmade paper making.
- ii) to assess quality of the produced handmade paper.
- iii) to develop and try to improve the quality of handmade paper. [2]

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#### 3. Demand and Review

Demand for handmade paper and its products are growing fast everywhere. Due to increasing awareness among public on environmental protection, people preference for eco-friendly products has been increasing.

Handmade paper in India has the potential to meet the increasing demand for paper products in an environmentally sound way. Almost all paper is manufactured using trees as primary source of wood pulp. From environmental perspective paper manufacturing continues to be a concern in modern times due to its use of large number of trees, harsh chemicals, huge water consumption resulting in ecological imbalances, pollution and contamination risks. [3]

The handmade paper can be converted into different items for daily use such as bags, files, folders, etc. Handmade papers are mainly used in handmade paper conversion units. These papers can be converted into gift cards, wrapping paper, photo albums, wedding invitation, colleges and picture frames etc. Some of the features of handmade paper are mentioned below:-

- It has an elegant and exquisite surface for writing.
- 2. It has indestructibility and superb strength for performance.
- It has unmatched structure for drawings by artists or engineers.
- It comes in colors of fancy varieties for decorative wraps.
- It has high tensile bursting, tearing and double fold strength as compared to mill made paper. [4]

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#### 4. Methodology

Requirements: Waste paper (raw material), cutter instrument, mixer, frame (mould and deckle), clean cloth, sponge, clips, pressing equipment.

The process of handmade paper form waste paper involves a series of steps that are briefly discussed below.

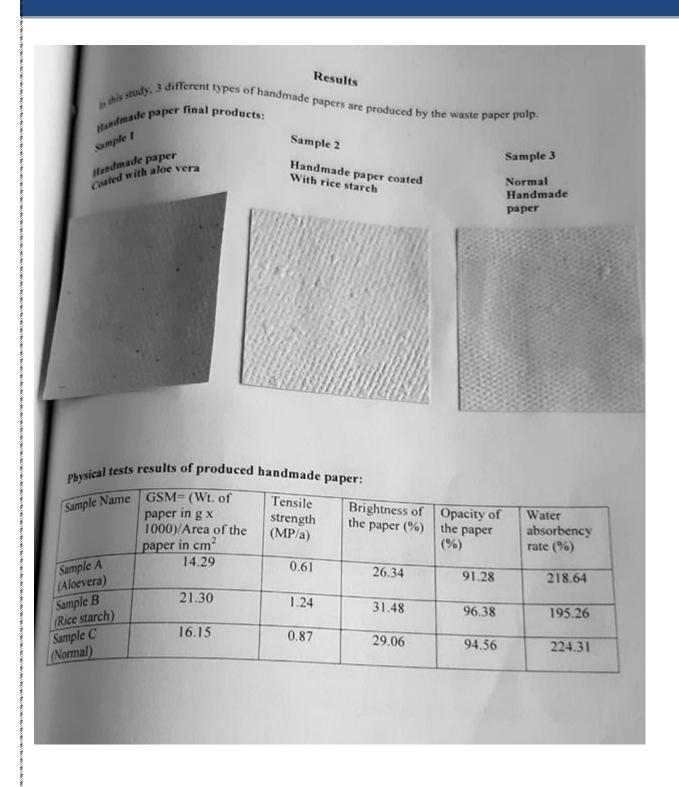
- Sorting and dusting: The raw material which is the waste papers should be manually sorted and unwanted foreign materials like synthetic fibers, dirt are removed.
- 2. Rag cutting: The sorted and dusted waste papers are cut into small pieces.
- Soaking: The chopped papers are diluted with water for 12-24 hours.
- 4. Beating: The soaked waste papers are blended in a mixer to get a fine paste.
- 5. Dipping Method: The pulp is diluted with water and put into a masonry or vat. The lifting mould (the wooden frame) is dipped into the trough, shaken evenly and lifted our with the pulp on it. The consistency of the pulp in the tank should be kept constant all the time.
- Couching: Once the sheet is formed, the wet paper is transferred onto a cloth like muslin sheet and a stack of interleaved sheets in made.
- Pressing: A press is used to remove the excess water from the sheets. Pressing reduces the thickness of the paper and the sheets become more compact. This process improves the physical properties of the paper and helps drying.
- Drying: Even after the sheets have been pressed, they still contain about 50% to 65% of the
  moisture. The sheets are hung in the sunlight to dry. Colored papers are dried in the shade to
  prevent the sun from bleaching the color.
- 9. Cleaning and Sizing: Small particles of dirt and other foreign matter are removed manually with a sharp instrument. The cleaned sheets are coated with a layer starch or aloe vera to improve the quality of the paper and prevent feathering. This process is called sizing. This is done manually by using brush or by dipping the sheet into a vat containing sizing chemicals.
- Calendaring: The sheets are pressed under a calendaring machine. This makes the paper smooth
  and increases the gloss of the paper.
- Curting: The sheets are cut neatly according the required size using a cutter. [5]

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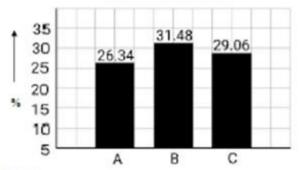
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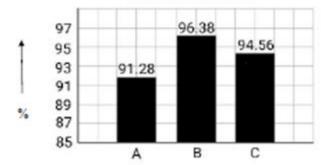


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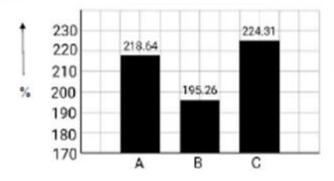
#### 4. Opacity of the paper:

It is the ability of paper to hide or mask a color or object in the back of the sheet. High Opacity in printed paper allows one to read the front side of the page without being distracted by print images on the back side.



#### Water absorbency rate:

Water absorbency is a measure of the amount of water absorbed by the wetted surface of paper and board materials. It can have strong influence on printability and the setting rate of water based adhesives.



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#### Photographs



















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B. Sc. Honours (Statistics)

DSE Papers in Statistics STAT-DSE-8 Project Work

Credit 6

Objective: The aim of the course is to initiate students to write and present a statistical report, under the supervision of a faculty, on some area of human interest. The project work will provide hands on training to the students to deal with data emanating from some real life situation and propel them to dwell on some theory or relate it to some theoretical concepts.

HOD

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The following students of Statistics Department were engaged in Experimental Learning through Project work for the session 2021-22----

| SL.NO | Name of the Students | Semester                    |
|-------|----------------------|-----------------------------|
| 01    | Gautom Singh         | B.Sc. 6 <sup>th</sup> . sem |
| 02    | Pranab Kr. Borah     | DO                          |
| 03    | Riki Rani Hazarika   | DO                          |
| 04    | Bidyut Bikash Nath   | DO                          |
| 05    | Ansar Ansari         | DO                          |

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#### SAMPLE OF STUDENTS PROJECT REPORT

| Dissertation Se                         | ubmitted to the Department of S                                     | tatistics        |
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|   | Leena Saikia  |                  |
| As                                      | sistant Professor, Deptt. Of Sta                                    | stictles         |
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Jerhet-10

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Coordinator, IQAC





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#### **SYLLABUS**

| Zoosti - ooo: Economic Zoology   |   |
|--|---|
| For Non-coses course. Marks: 12/11   | ) + 48 (End Sem) = 60<br>42 lecture hours       |
| Unit-1 Major insect pests of paddy, tea and stored grains and management-chemical, cultural and biological, integrated and   | their highway Pest                              |
| O Linux 1 life histories of cities and biological, integrated nest m   | anagement                                       |
| discuses of stickworms and it  | ningue of sukworms,                             |
| al (miles) the history of honey bearing  |   |
| culture of lac insect.   | eyhee: Biology and                              |
| Unit-4: Principles and practices in aquaculture; fish and prawn culti-   | are propagation and                             |
| management of different types of ponds for fish culture; me  | duced breeding and                              |
| hybridization technique in fishes; fish preservation methods; fish   | by-products                                     |
| (chicken and duck) and their extension.  | selection of breed                              |
| (chicken and duck) and their scientific rearing methods; poul  | try diseases and its                            |
|  |   |
| ZooMP- 607: Practical based on ZooMT- 606  |   |
|  | + 32 (End Sem) = 40                             |
|  | 20 lecture hours                                |
| PV-1. Identification of silkworms (eri, muga & mulberry), immature at EP2. Submission of life cycles of eri/ muga/ mulberry silkworms.  Study of important pests of paddy, tea plants and stored grains a Identification of economically important fish and prawn available. Identification of common aquatic weeds, plankton and insects.  PV-6. Demonstration of induced breeding in fish.  Apiculture- culture of honey bee and extraction of honey.  Analysis of nutrients (Carbohydrate, Protein and Lipid) of Honey.   | nd their submission. Sources of the Head of the |
| SCHEME OF THE PRACTICAL EXAMINATION:   |   |
| Time: 4 hrs.   | 10  |
| 1. Identification  | 6   |
| 2. Collection and submission   | 6   |
| 3 Qualitative analysis   | 5   |
| 4. Practical record book   | 5   |
| and the second s | 32  |
|  |   |
|  |   |
| 15   |   |

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# Dept. of Zoolosy. LIST OF PROJECT REPORT

In Central Silk Board Ladhoigarh, Jorhat.

| SL No. | Name               | Semester            | U. Roll No. |
|--------|--------------------|---------------------|-------------|
| 1.     | Debabrat Doley     | 6 <sup>th</sup> Sem | 16520022    |
| 2.     | Deepjyoti Doley    | 6 <sup>th</sup> Sem | 16520024    |
| 3.     | Ganesh Upaidhya    | 6 <sup>th</sup> Sem | 16520029    |
| 4.     | Jintu Changmai     | 6 <sup>th</sup> Sem | 16520027    |
| 5.     | Jintu Doley        | 6 <sup>th</sup> Sem | 16520032    |
| 6.     | Max Pegu           | 6 <sup>th</sup> Sem | 16520041    |
| 7.     | Latumoni Bora      | 6 <sup>th</sup> Sem | 16520035    |
| 8.     | Nabajyoti Nath     | 6 <sup>th</sup> Sem | 16520045    |
| 9.     | Ratul Das          | 6 <sup>th</sup> Sem | 16520057    |
| 10.    | Shiva Prasad Doley | 6 <sup>th</sup> Sem | 16520064    |
| 11.    | Rituraj Kurmi      | 6 <sup>th</sup> Sem | 16520054    |
| 12.    | Dipshikha Bora     | 6 <sup>th</sup> Sem | 16520073    |
| 13.    | Dakhy Buragohain   | 6 <sup>th</sup> Sem | 16520072    |
| 14.    | Dimpi Gogoi        | 6 <sup>th</sup> Sem | 16520074    |
| 15.    | Momee Saikia       | 6 <sup>th</sup> Sem | 16520079    |
| 16.    | Nayanmoni Neog     | 6 <sup>th</sup> Sem | 16520080    |
| 17.    | Lakhimai Saikia    | 6 <sup>th</sup> Sem | 16520077    |
| 18.    | Laxmi Morang       | 6 <sup>th</sup> Sem | 16520078    |
| 19.    | Punam Patir        | 6 <sup>th</sup> Sem | 16520085    |
| 20.    | Rupali Doley       | 6 <sup>th</sup> Sem | 16520087    |
| 21.    | Rituporna Phukan   | 6 <sup>th</sup> Sem | 16520086    |
| 22.    | Sanjana Rai        | 6 <sup>th</sup> Sem | 16520089    |
| 23.    | Sony Gupta         | 6 <sup>th</sup> Sem | 16520094    |
| 24.    | Sunita Kuli        | 6 <sup>th</sup> Sem | 16520095    |

( Mr. Someshwar Borah )

PDepty of Zoology ment Zoology Jorhat Kendriya Mahavidyalaya Kenduguri, Jornat-10

Pranjal Dutta Coordinator, IQAC



Jornat Kendu Principal



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# PROJECT WORK ON "REARING OF ERISILK WORM"

Submitted to Dr. Panchali Kanmakan Submitted by

Sony Grupta

Rollmo - 16520094

Reg. No - 51838280

B. Sc 6th Semustere

2021.

Pranjal Dutta
Coordinator, IQAC



Dr. Dulen Surka 10

Jornal Kendup Chicipal



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**INTERNSHIPS** 





Dr. Dullen Striku 10

Jornal Kendup Thicipal



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#### COMMUNITYCOLLEGE

estd.2015

#### JorhatKendriyaMahavidyalaya

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PhoneNo:0376-2350009,email: jkmprincipakā rediffmail.comFax#0376-2350009
www.jorhatkendriyamahavidyalaya.com

In this session, the students were instructed to carry out various young tea management operations and identification of different pests in the small experimental plot established by 2018-19 students with the help of skill component faculties.

#### Internship Training of Students:

The students of the first semester who passed in the exam were then allowed to undergo a training programme in various Tea Estates of Assam from 2<sup>nd</sup> of May,2022. They need to maintain a daily diary as a record of their training programme and after completion of their training in the garden, they have to submit a report on the whole internship training programme.

#### INTERNSHIP OF STUDENTS IN DIFFERENT TEA ESTATES-

| Serial no. | Roll no. | Name              | Internship Garden Details      |
|------------|----------|-------------------|--------------------------------|
| 1          | 1        | GaurangaGogoi     | Bokaholla T.E Jorhat           |
| 2          | 2        | Hritam Kumar Das  | Negheriting T.E Golaghat       |
| 3          | 3        | Niraj gogoi       | Madhabpur T.E, Borholla Jorhat |
| 4          | 4        | SamiranNeog       | Borholla T.E Jorhat            |
| 5          | 7        | HimantaBorgohain  | TTRI jorhat                    |
| 6          | 8        | RamanandaSaikia   | BokahollaT.E.Jorhat            |
| 7          | 9        | Supratim Rajkhowa | BorhollaT.E,Jorhat             |
| 8          | 10       | RubulHandique     | BorhollaT.E.Jorhat             |
| 9          | 11       | Niranjan Gogoi    | TTRI, Jorhat                   |
| - 10       | 12       | Akash Hazarika    | TTRI, Jorhat                   |
| 11         | 13       | SankarSahu        | Ghiladhari TE, Golaghat        |
| 12         | 14       | PrivakshiDehingia | Luxmi T.E, Moran               |
| 13         | 15       | NikhitabhGogoi    | NegheritingT.E.Golaghat        |
| 1.1        | 16       | NovanmoniKachari  | Borholla T.E, Jorhat           |
| 15         | 17       | PorishmitaKachari | Borholla T.E., Jorhat          |
| 16         | 18       | Dimpoljit Bora    | BorhollaT.E, Jorhat            |

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| Serial no. | Roll no. | Name                 | Internship Garden Details              |
|------------|----------|----------------------|--|
| 17         | 19       | Polash Jyoti Bora    | NegheritingT.E, Golaghat               |
| 18         | 21       | Dikshit Gogoi        | BihuborT E,Sibsagar                    |
| 19         | 23       | Robin Kurmi          | Bihubor TE, Sibsagar                   |
| 20         | 24       | BishwajitUrang .     | Shamarating, Golaghat                  |
| 21         | 25       | Priyanka Dutta       | Sepon T.E, Dibrugarh                   |
| 22         | 26       | Dipankar Doley       | Tocklai Tea Research Institute, Jorhat |
| 23         | 27       | Nasiur Rahman        | Tocklai Tea Research Institute, Jorhat |
| 24         | 28       | Ankur Jyoti Phukan   | Tocklai Tea Research Institute, Jorhat |
| 25         | 29       | Bhaskar Jyoti Chetia | Handique Tea Pvt. Lt., Charaideo       |
| 26         | 30       | RupjyotiBhuyan       | Not Done                               |
| 27         | 31       | Imdadul Hussain      | Negerijan TE, Mariani                  |
| 28         | 32       | ArifakramHussain     | Negerijan TE, Mariani                  |
| 29         | 33       | Debojit Borah        | Dihingiapar TE, Mariani                |
| 30         | 34       | Anjan Buragohain     | Tocklai Tea Research Institute, Jorhat |
| 31         | 35       | Sourav Jyoti Konwar  | Tocklai Tea Research Institute, Jorhat |
| 32         | 36       | RituponDuwara        | Tocklai Tea Research Institute, Jorhat |
| 33         | 37       | Ponchi Bora          | Sangsua TE Jorhat                      |
| 34         | 38       | Rocktim Ranjan Bora  | Sangsua TE Jorhat                      |
| 35         | 39       | Ritu raj Deori       | Tocklai Tea Research Institute Jorhat  |
| 36         | 40       | BishalPachani        | TocklaiTea Research Institute Jorhat   |
| 37         | 41       | HimantaBuragohain    | TocklaiTea Research Institute Jorhat   |
| 38         | 42       | Prasanta Konwar      | TocklaiTea Research Institute Jorhat   |
| 39         | 43       | ShraboniGogoi        | Bokaholl T.E Jorhat                    |
| 40         | 44       | Madhab Sahu          | TocklaiTea Research Institute Jorhat   |
| 41         | 45       | Umakanta Tanti       | TocklaiTea Research Institute Jorhat   |
| 42         | 46       | Rumi Kalita          | Gorajan, Borhola                       |
| 43         | 47       | ProgyanKalita        | TocklaiTea Research Institute Jorhat   |
| 44         | 48       | Pranjalkalita        | Not Done                               |
| 45         | 49       | RimpiNeog            | Sangsua, T.E Jorhat                    |
| 46         | 50       | DeeplinaSaikia       | Teok TE Jorhat                         |
| 47         | 51       | Debisha Borah        | Bahoni TE Jorhat                       |
| 48         | 52       | Debasish Kachari     | Bahoni TE Jorhat                       |

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| Serial no. | Roll no. | Name                 | Internship Garden Details             |
|------------|----------|----------------------|---------------------------------------|
| 49         | 54       | JyotikhaGogoi        | Borhat TE Charaideo                   |
| 50         | 55       | SumitBoraik          | Not done                              |
| 51         | 56       | DipankorBhattachayya | Sangsua TE Jorhat                     |
| 52         | 57       | Sachin Bawri         | Negheriting TE Golaghat               |
| 53         | 58       | Shakuntola Sobor     | Negheriting TE Golaghat               |
| 54         | 60       | Anju Tanti           | Bahoni TE Jorhat                      |
| 55         | 61       | Snigdhani Borah      | Negheriting TE Golaghat               |
| 56         | 62       | DhurbaChangmai       | Negheriting TE Golaghat               |
| 57         | 63       | AkshaykumarChetia    | Bahoni TE Jorhat                      |
| 58         | 64       | Dipankar Boruah      | Bahoni TE Jorhat                      |
| 59         | 66       | Karan PranGogoi      | Bahoni TE Jorhat                      |
| 60         | 67       | Kriteeprasana Borah  | Bahoni TE Jorhat                      |
| 61         | 68       | SrimantaChutia       | Bahoni TE Jorhat                      |
| 62         | 69       | Chandan Jyoti Saikia | Bahoni TE Jorhat                      |
| 63         | 70       | BiplobSaikia         | Borhola TE Jorhat                     |
| 64         | 71       | Hemanta Tanti        | Borhola TE Jorhat                     |
| 65         | 72       | Samual Tanti         | Borhola TE Jorhat                     |
| 66         | 73       | DijenKurmi           | Sepon TE Dibrugarh                    |
| 67         | 74       | Baishnab Jyoti Das   | Sepon TE Dibrugarh                    |
| 68         | 75       | Amlan Jyoti Bora     | Sepon TE Dibrugarh                    |
| 69         | 76       | MintuSaikia          | Tocklai Tea Research Institute Jorhat |

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Coordinator, IQAC



Dr. Dulen Surka 10

Jornal Kenduprincipal



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#### REPORT

ON

TOCKLAI FIELD, LABORATORY & FACTORY VISIT



1 YEAR DIPLOMA COURSE IN "TEA PLANAION & MANAGEMENT"

UNDER

NATIONAL SKILL DEVELOPMENT CORPORATION, AGRICULTURAL SKILL COUNCIL OF INDIA

GOVT. OF ASSAM

JORHAT KENDRIYA MAHAVIDYALAYA, JORHAT, ASSAM

SUBMITTED BY

AMLAN JYOTI BORA

ROLL NO: 75

1ST SEMESTER

**SESSION 2021-2022** 

Pranjal Dutta
Coordinator, IQAC



Dr. Durincipal

Dr. Durincipal

Jornal Kemuupuhnincipal



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#### ACKNOWLEDGEMENT

I would like to express my sincere gratitude to my teachers, Dr. Ishan Kumar Phukan sir, Mr. Nabajit Tanti sir, Mr. Binod Hazarika and Mrs. Pinaki Hazarika as well as respected Principal Sir Dr. Dulen Saikia, who gave me the golden opportunity to visit Tocklai field, laboratory & factory on 8<sup>th</sup> February 2022.

I am also grateful to research scholars and scientists of specific laboratories who helped me in gaining much knowledge regarding tea. Overall it was an unforgettable experience for me because first time I came to know how tea is cultivated & experimented in scientific way.

Only Del Train

Amlan Jyoti Bora

1st semester (D.T.P.M)

JORHAT KENDRIYA MAHAVIDYALAYA

Pranjal Dutta
Coordinator, IQAC



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Jornal Mendup Incipal

Kendup Incipal



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# CONTENT Field Visit 02-08 09 -11 Laboratory Visit **Factory Visit**

Pranjal Dutta
Coordinator, IQAC



Dr. Durincipal

Dr. Durincipal

Jornal Kemuupuhnincipal



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#### INTRODUCTION

Tocklai Tea Research Institute is the pioneer research centre of tea in the world, It was established in 1911 at Jorhat near the small river Tocklai, with the identity as Tocklai Experimental Station at the time of, British reign in India. Apart from research on various aspects of tea cultivation and processing, the research on tissue culture of modern tea and its medicinal benefits are also being carried out here. Transfer of technology to is member estates is carried out through its advisory network covering 1,076 tea estates occupying 341,049 hectares of land spread over the South Bank, North Bank, Upper Assam, Cacher, Tripura, Dooars, Darjeeling and Terai. Tocklai has its regional R&D centre at Nagrakata, West Bengal.

PAGE:01

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REPORT

ON

CHENIJAN TEA ESTATE FIELD VISIT



TEA PLANTATION AND MANAGEMENT
UNDER NATIONAL SKILL DEVELOPMENT
CORPORATION AND AGRICULTURE
SKILL COUNCIL OF INDIA
GOVT OF INDIA

SESSION:2021-2022

SUBMITTED BY

NAME: DIPANKAR DOLEY

ROLL NO: 26

1 YEAR DIPLOMA COURSE

Pranjal Dutta
Coordinator, IQAC



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#### ACKNOWLEDGMENT

I have to acknowledge my teacher and the guides of chenijan tea estate who have helped me a lot to prepare the project. I would like to thank Dr. Dulen saikia sir, Principal, Jorhat Kendriya Mahavidyalaya for provide us the facility to visit chenijan tea estate, Mr. Nabajit tanti sir, Dr. Ishan Kumar Phukan sir, Mrs Pinaki Hazarika madam of our college and J.N. Phukan Manager, Chenijan tea estate. for provide us all the information about tea estate.

Chuld wind won

1st semester, Diploma in tea plantation & management Roll No

Pranjal Dutta
Coordinator, IQAC

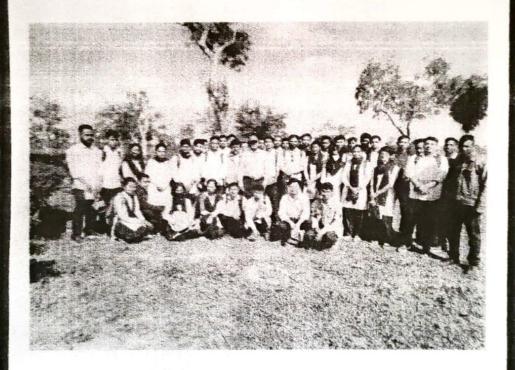


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After visiting Chenijan tea estate finally we took a photograph of our entire team with our respected teacher and manager of chenijan tea estate. then returned to our home with a huge acknowledge about tea estate.



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www.jorhatkendriyamahavidyalaya.com

#### Experimental Tea Plantation Plot in College Campus:

In this session, the students were instructed to carry out various young tea management operations and identification of different pests in the small experimental plot established by 2018-19 students with the help of skill component faculties.

#### Internship Training of Students:

The students of the first semester who passed in the exam were then allowed to undergo a training programme in various Tea Estates of Assam from 2<sup>nd</sup> of May,2022. They need to maintain a daily diary as a record of their training programme and after completion of their training in the garden, they have to submit a report on the whole internship training programme.

#### INTERNSHIP OF STUDENTS IN DIFFERENT TEA ESTATES-

| Serial no. | Roll no. | Name                 | Internship Garden Details |
|------------|----------|----------------------|---------------------------|
| Seriai no. | Kon no.  | Joyashree Dutta      | TTRI Jorhat               |
| 1          |          |                      | TTRI Jorhat               |
| 2          | 2        | Simanta Duta         | TTRI Jorhat               |
| 3          | 3        | MinakhiGogoi         | Baghchung TE Jorhat       |
| 4          | 4        | Zaheer Uddin Ahmed   |                           |
| 5          | 5        | Ballabh raj borah    | Negheriting TE Jorhat     |
|            | . 6      | Priyanku Rajbanshi   | TTRI Jorhat               |
| 0          |          | Mriganka Deka        | TTRI Jorhat               |
| 7          |          |                      | Gatoonga TE Jorhat        |
| 8          | 8        | Bhargav Protim Dutta | TTRI Jorhat               |
| 10         | 10       | Bikash Borkotoky     |                           |

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Dr. Dullera Settle 10 ochat Kendu Pilncipal