GOVERNMENT OF WEST BENGAL GOVERNMENT GENERAL DEGREE COLLEGE LALGARH LALGARH:: JHARGRAM::721516

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Website: www.lalgarhgovtcollege.org :: Telephone No.: 03221-29171

List of completed project work of 3 Year Life Science students Course: Vac 01 (Environmental Studies)

SI.	Name	Registration	Registration	Sem	Title of the Project
No.		Νο	Year		
1	AMARJIT	VU231230363	2023-24	1st	CHECKLIST OF MEDICINAL PLANTSAT
	KARAK				GOPEGARH
2	ANANYA	VU231230365	2023-24	1st	ECOLOGICAL VALUE AND ECOSYSTEM SERVICE:
	DEY				A GENERAL CASE STUDY AT KANKRAJHORE
					AREA IN BELPAHARI RANGE
3	APURBA	VU231230366	2023-24	1st	FLORAL STUDY ON DIGHA COAST, WB
	MAHATA				
4	CHANDA	VU231230368	2023-24	1st	FRUITS AND FLOWERS: RESOURCES IN OUR
	DOLAI				FOREST AREA, JHARGRAM
5	DEBIKA PAL	VU231230369	2023-24	1st	PLAIN AND HILL FOREST ECOSYSTEM OF
					JHARGRAM, WB
6	INDRAJIT	VU231230370	2023-24	1st	CHECKLIST OF MEDICINAL PLANTSAT
	SINGHA				GOPEGARH
7	INDRANI	VU231230371	2023-24	1st	TREE SPECIES AND ECOLOGICAL DIVERSITY AT
	JANA				SOME FOREST RANGES OF WEST BENGAL
8	RIMA	VU231230373	2023-24	1st	CHECKLIST OF FLORA AT GOPEGARH
	GHOSH				
9	SANGITA	VU231230377	2023-24	1st	ELEPHANT: AN ENDANGERED OF OUR AREA
	KAMAR				
10	SOUMEN	VU231230378	2023-24	1st	NATURE TRAIL AND RECORD SPECIES AT NEW
	MAHALI				DIGHA FROM OCEANA TO DHEUSAGAR
11	SUDIPA	VU231230380	2023-24	1st	MAN PLANT RELATIONSHIP IN OUR
	JANA				BHULAVEDA AND BELPAHARI FOREST RANGE,
					WB
12	TANIMA	VU231230381	2023-24	1st	ECOSYSTEM SERVICES OF FORESTS OF
	MAL				JHARGRAM

Value Added Course (VAC)

Value Added Course (VAC)- 01

VAC-01: ENVS- Environmental Studies

Course contents:

Unit-I: Introduction to environmental studies

- · Multidisciplinary nature of environmental studies;
- · Scope and importance; Concept of sustainability and sustainable development.

Unit-II: Ecosystems

 What is an ecosystem? Structure and function of ecosystem; Energy flow in an ecosystem: food chains, food webs and ecological succession. Case studies of the following ecosystems: a) Forest ecosystem; b) Grassland ecosystem c) Desert ecosystem
d) Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)

Unit-III: Natural Resources: Renewable and Non-renewable Resources (8 lectures)

- Land resources and land use change; Land degradation, soil erosion and desertification;
- Deforestation: Causes and impacts due to mining, dam building on environment, forests, biodiversity and tribal populations. Joint forest management.
- Water: Use and over--exploitation of surface and ground water, floods, droughts, conflicts over water (international & interstate).
- Energy resources: Renewable and non renewable energy sources, use of alternate energy sources, growing energy needs, case studies.

Unit-IV: Biodiversity and Conservation

- Levels of biological diversity: genetic, species and ecosystem diversity; Biogeographic zones of India; Biodiversity patterns and global biodiversity hot spots
- India as a mega---biodiversity nation; Endangered and endemic species of India
- Threats to biodiversity: Habitat loss, poaching of wildlife, man--wildlife conflicts, biological invasions; Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity.
- Ecosystem and biodiversity services: Ecological, economic, social, ethical, aesthetic and Informational value.

Unit-V: Environmental Pollution

- Environmental pollution: types, causes, effects and controls; Air, water, soil and noise pollution
- Nuclear hazards and human health risks
- · Solid waste management: Control measures of urban and industrial waste.
- Pollution case studies.
- Noise pollution.

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(6 lectures)

(8 lectures)

(8 lectures)



(2 lectures)



Unit-VI: Environmental Policies & Practices

- Climate change, global warming, ozone layer depletion, acid rain and ingaöts on human communities and agriculture
- Environment Laws: Environment Protection Act; Air (Prevention & Confeed of Co Pollution) Act; Water (Prevention and control of Pollution) Act; Wildlife Preference Act; Forest Conservation Act. International agreements: Montreal and Kyoto protocols and Convention on Biological Diversity (CBD).
- Nature reserves, tribal populations and rights, and human wildlife conflicts in Indian context.
- Environmental policy and gender issues

Unit-VII: Human Communities and the Environment

- · Human population growth: Impacts on environment, human health and welfare.
- Resettlement and rehabilitation of project affected persons; case studies.
- · Disaster management: floods, earthquake, cyclones and landslides.
- · Environmental movements: Chipko, Silent valley, Bishnois of Rajasthan.
- · Environmental ethics: Role of Indian and other religions and cultures in environmental conservation.
- Environmental communication and public awareness, case studies (e.g. CNG vehicles in Delhi)

Unit-VIII: Field work

- · Visit to an area to document environmental assets: river/ forest/ flora/fauna, etc.
- · Visit to a local polluted site -- Urban/Rural/Industrial/Agricultural.
- · Study of common plants, insects, birds and basic principles of identification.
- · Study of simple ecosystems--pond, river, Delhi Ridge, etc.
- · Disaster management.
- Coastal ecosystem

Suggested Readings:

- Carson, R. 2002. Silent Spring. Houghton Mifflin Harcourt. i.
- Gadgil, M., & Guha, R. 1993. This Fissured Land: An Ecological History of India. Univ. of ii. California Press.
- Gleeson, B. and Low, N. (eds.) 1999. Global Ethics and Environment, London, Routledge. iii.
- Gleick, P. H. 1993. Water in Crisis. Pacific Institute for Studies in Dev., Environment & Security. iv. Stockholm Env. Institute, Oxford Univ. Press.
- Groom, Martha J., Gary K. Meffe, and Carl Ronald Carroll. Principles of Conservation Biology. ٧. Sunderland: Sinauer Associates, 2006.
- Grumbine, R. Edward, and Pandit, M.K. 2013. Threats from India's Himalaya dams. Science. 339: vi. 36-37.
- McCully, P. 1996. Rivers no more: the environmental effects of dams (pp. 29---64). Zed Books. vii.
- McNeill, John R. 2000. Something New Under the Sun: An Environmental History of the viii. Twentieth Century.
- Odum, E.P., Odum, H.T. & Andrews, J. 1971. Fundamentals of Ecology. Philadelphia: Saunders. ix.
- Pepper, I.L., Gerba, C.P. & Brusseau, M.L. 2011. Environmental and Pollution Science. Academic х. Press
- Rao, M.N. & Datta, A.K. 1987. Waste Water Treatment. Oxford and IBH Publishing Co.Pvt. Ltd. xi.
- Raven, P.H., Hassenzahl, D.M. & Berg, L.R. 2012. Environment. 8th edition. John Wiley& Sons. XII.

VIDYASAGAR UNIVERSITY, PASCHIM MIDNAPORE, WEST BENGAL

(Equal to 5 lectures)

(6 lectures)

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UG 1st Semester (CCFUP-NEP) Examination 2023 Subject- Life Science Paper- VAC 01 (Environmental Studies Project)



Oral and Evaluations of Project Report

Date: 25.04.2024

ROLL NO	REGISTRATION NO	REG. YEAR	NAME	SIGNATURE OF THE CANDIDATE
4311123-2319274	VU231230365	2023-2024	ANANYA DEY	Ananya Dey (25/04/2024)
4311123-2319284	VU231230380	2023-2024	SUDIPA JANA	Sudipa Jana (25/04/1)
4311123-2319283	VU231230377	2023-2024	SANGITA KAMAR	Sangita Kaman (25/04/29
4311123-2319282	VU231230374	2023-2024	ROHAN KUMAR SHOW	
4311123-2319281	VU231230368	2023-2024	CHANDA DOLAI -	Changa Dolal (25/04/24)
4311123-2319280	VU231230364	2023-2024	AMRIT MAHATA	
4311123-2319278	VU231230381	2023-2024	TANIMA MAL -	Tanima Mal (25/04/202)
4311123-2319276	VU231230376	2023-2024	SAMIR SINGHA	
4311123-2319275	VU231230371	2023-2024	INDRANI JANA	Indrané Jana 25/04/24
4311123-2319264	VU231230363	2023-2024	AMARJIT KARAK	Amendit Korrak 25/04/24
4311123-2319273	VU231230362	2023-2024	AMAL MURMU	
4311123-2319272	VU231230378	2023-2024	SOUMEN MAHALI	Soumer Mahali 25/04/29
4311123-2319270	VU231230373	2023-2024	RIMA GHOSH	Rime 614054 25/04/24
4311123-2319268	VU231230370	2023-2024	INDRAJIT SINGHA	D D DD UIA
4311123-2319267	VU231230369	2023-2024	DEBIKA PAL	Debika Pal 25/04/20
4311123-2319265	VU231230366	2023-2024	APURBA MAHATA	Aparba Mahata (25.09,24)

ATTENDANCE RECORD

Commen Stream y



Title:

CHECKLIST OF MEDICINAL PLANTS AT GOPEGARIA

(A PROJECT REPORT ON ENVIRONMENTAL STUDIES BASED ON FIELD VISIT FOR THE PARTIAL FULFILLMENT OF THE 1st END SEMESTER B.A./B.Sc (Hons./GENERAL) DEGREE IN HUMANITIES UNDER NEP-2020)

Title of the Project Paper: VAC-01 (Group 1)

Report Submitted to:

Lalgarh Govt. College, Jhargram, W.B. Affiliated to: VIDYASAGAR UNIVERSITY, MIDNAPORE, W.B. 721102

REPORT SUBMITTED BY: Roll: 4311/23 No.: 2319269 Registration No.: VU231230363 of 2023-2024 ABC ID: \$ 683808017937

(Affiliated to Vidyasagar University, Midnapore, W.B)

Supervised by:

Prof. Dwaipayan Mitra, W.B.E.S. Assistant Professor of English, Dept. of English, Lalgarh Govt. College. Lalgarh, Jhargram, W.B. 721516

Year: 2024



Declaration of the Candidate

I, A man it Karak, 1st year, 1st End Semester, B.A./B.Sc (Hons./General) student of Lalgarh Government College, Lalgarh, Jhargram, West Bengal have done my allotted project work on *Environmental Studies*. The title of the Project was" Check 134

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"as stipulated by our mentor teachers under the graduation syllabus of B.A/ B.Sc/-B.Com. (Hons/General) course affiliated to Vidyasagar University, Midnapore, West Bengal, India following NEP-2020 curriculum. It has been placed for the evaluation and for the partial fulfilment of Under Graduate (UG) degree, in Arts (Humanities) in the year 2024 from Government General Degree College, Lalgarh, Jhargram for 1st End Semester Examination,2023, 2023- 2024 session.

Amendit Korrak

(Signature of the Candidate) University Roll: <u>43</u>[123 No.: 2319264 Registration No.: VU23]230360f 2023-2024

Date: 16/04/2024 Place: Lalgarh, Jhargram, W.B.



Memo No.

Date 16 .04 2024

To Whom It May Concern

This is to Certify that Smt./Sri.Miss/Mr.Mrs. AmorJH Korrak at Semester B.A. (GEN) students of UG NEP-2020/GGDC Lalgarh, Jhargram, W.B. has done the allotted Project work on Value Added Course (VAC-01) entitled project, "Checkust or medicineal plant of TOP ferry,

" as per the guideline of Vidyasagar University under the title Flora at Local ex-situ site for the fulfilment of end semester B.A./B.Sc: Hons./General degree from Vidyasagar University in the year 2024 with full of satisfaction. He She has completed 10 hours field visit for data collection and photography in connection with the Project work supervised by Dwaipayan Mitra; Assistant Professor of English, GGDC Lalgarh, Jhargram, W.B. on 12/1224 from 6:00 a.m. to 6 30 p.m. He She also completed study on the major topic in the field College and at home to prepare the project report complete in all aspects covering 30 hours. We wish her/hum every success in life.

Signature of Supervisors:

(Asst. Prof. Dawetpayan Mitra) Assistant Professor of English, Dept. of English, Good. General Degree College Lalgarh, Jhargram, Bargram, W.B.



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Govt. Gen. Degree College, Lalgarh, Jhargram, W.B., 221516 Value Added Course (VAC-01) **Project in Field for UG Students** Year: 2023-2024 Feedback Form (This form must be signed by Field Guide and countersigned by the Institutional Head at office after completion of field trip) Your Name in Capital Letter: AMARJIT KARAK Vour subject : (H/G/ Multidisciplinary etc.): B.S.C (Botony, 200109, Physio 109) Vour title of the Project: Checklist of Medic inal plant of Gobeg arch Your Partner of the Project work at Field: Indho Wit Simgho Your Guide teacher in Field: Dr. Debabrata Das Your Supervisor's Name: Karon sorren, Bupai Chlork Any other Guide: 09/03/2024 (8:00 AM Date and Time of Arrival: Date and time of Departure: 103/2024 (3:00 PM) Hours spend on field: 7 hours Overall Comment: Average/Good/Very Good/ Nice/ Excellent Management of the Organizer: (100) Your Phone No. 9647276674= mall ld: amon Jitkarak @ gmail. Com Declaration in the event of field work Signature of the Student: AMayof Karak College Roll: No .: Regd. No. (Univ.): signature of the student: Amoralit Karak Signature of the Guide Teacher:

Werified by the Officer-Ia-Charge: (With Seal) Ufficer - In - Charge ent General Degree Cologe, Lalgerh Lalgarh, Jhargram, 721010

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(A PROJECT REPORT ON ENVIRONMENTAL STUDIES BASED ON FIELD VISIT FOR THE PARTIAL FULFILLMENT OF THE 1st END SEMESTER B.A./B.Sc (Hons./GENERAL) DEGREE IN HUMANITIES UNDER NEP-2020)

Title of the Project Paper: VAC-01 (Group 1)

Report Submitted to:

Lalgarh Govt. College, Jhargram, W.B. Affiliated to: VIDYASAGAR UNIVERSITY, MIDNAPORE, W.B. 721102

REPORT SUBMITTED BY:

Roll: 4311123 No. 2319274

Registration No.: VU231230365 of 2023-2024 ABC ID: 239960878389

(Affiliated to Vidyasagar University, Midnapore, W.B)

Supervised by:

Prof. Dwaipayan Mitra, W.B.E.S. Assistant Professor of English, Dept. of English, Lalgarh Govt. College. Lalgarh, Jhargram, W.B. 721516

Year: 2024



Declaration of the Candidate

I. Ananya Dey , 1st year, 1st End Semester, B.A./B.Sc (Hons./General) student of Lalgarh Government College, Lalgarh, Jhargram, West Bengal have done my allotted project work on *Environmental Studies*. The title of the Project was" *Ecological values and ecosystem bervices*: - A general case study at Kankston jho se area in Belpahavi Range

"as stipulated by our mentor teachers under the graduation syllabus of B.A/ B.Sc/-B.Com. (Hons/General) course affiliated to Vidyasagar University, Midnapore, West Bengal, India following NEP-2020 curriculum. It has been placed for the evaluation and for the partial fulfilment of Under Graduate (UG) degree, in Arts (Humanities) in the year 2024 from Government General Degree College, Lalgarh, Jhargram for 1st End Semester Examination,2023, 2023- 2024 session.

Ananya Jey (Signature of the Candidate) University Roll: 431123. No. 2313374 Registration No.: VU2312300f 2023-2024 365

Date: 16/04/2024 Place: Lalgarh, Jhargram, W.B.





GOVERNMENT OF WEST BENGAL LALGARH GOVERNMENT COLLEGE Department of Botany

P.O.: LALGARH: DIST.: JHARGRAM: e-mail:principal@lalgarhgovtcollege.org:

Memo No.:

Date: 15.04.2024

To Whom It May Concern

This is to Certify that Smt./Sri./Miss/Mr./Mrs. Anonya Dey , a 1st Semester B.A.^c (GEN) students of UG NEP-2020/GGDC Lalgarh, Jhargram, W.B. has done the allotted Project work on Value Added Course (VAC-01) entitled project, "*Ecological values And Ecosystem struces in A Greneral Case study At Kankrajlane in Belpalari Range*. " as per the guideline of Vidyasagar University under the title Flora at Local *ex-situ* site for the fulfilment of end semester B.A./B.Sc. Hons./ General degree from Vidyasagar University in the year 2024 with full of satisfaction. He/She has completed 10 hours field visit for data collection and photography in connection with the Project work supervised by Dr. Debabrata Das, Associate Prof. of Botany, GGDC Lalgarh, Jhargram, W.B. on *Calcological* from 6:00 a.m. to 6:30 p.m. He/She also completed study on the major topic in the field/College and at home to prepare the project report complete in all aspects covering 30 hours. We wish her/him every success in life.

Signature of Supervisors: 25 4/2,

(Dr. Debabrata Das) Associate Professor of Botany, Govt. General Degree College Lalgarh, Jhargram, Jhargram, W.B.



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Title: Floral study on Didn Coast. W.B.



(A PROJECT REPORT ON ENVIRONMENTAL STUDIES BASED ON FIELD VISH FOR THE PARTIAL FULFILLMENT OF THE 1st END SEMESTER B.A. (GENERA/HonsL) DEGREE IN HUMANITIES UNDER NEP-2020)

Title of the Project Paper: VAC-01 (Group 2)

Report Submitted to:

Lalgarh Govt. College, Jhargram, W.B. Affiliated to: VIDYASAGAR UNIVERSITY. MIDNAPORE, W.B. 721102

REPORT SUBMITTED BY: Apurba Mahata 311123 No: 2319265 Roll:

Registration No.: VU231230366 of 2023-2024 ABC ID: 74752455 7109

(Affiliated to Vidyasagar University, Midnapore, W.B)

Supervised by:

Dr. Debabrata Das, W.B.E.S Associate Professor and Head, Dept. of Botany,

Lalgarh Govt. College. Lalgarh, Jhargram, W.B. 721516

2024



Declaration of the Candidate

1. Apurba Mahob . 1st year, 1st End Semester, B.A./B.Sc (Hons./General) student of Lalgarh Government College, Lalgarh. Jhargram, West Bengal have done my allotted project work on *Environmental Studies*. The title of the Project was" Floral Study on Digha Coast.

"as stipulated by our mentor teachers under the graduation syllabus of B.A/ B.Sc/-B.Com. (Hons/General) course affiliated to Vidyasagar University, Midnapore, West Bengal, India following NEP-2020 curriculum. It has been placed for the evaluation and for the partial fulfilment of Under Graduate (UG) degree, in Arts (Humanities) in the year 2024 from Government General Degree College, Lalgarh, Jhargram for 1st End Semester Examination,2023, 2023- 2024 session.

Apurba Mahata

(Signature of the Candidate) University Roll: 4311123 No. 2319265 Registration No.: VI 03123036 2023-2024

Date: /5/04/2024 Place: Lalgarh, Jhargram, W.B.



LALGARH GOVERNMENT COLLEGE Department of Botany

P.O.: LAI GARH: DIST.: JHARGRAM: e-mail:principal@lalgarhgovtcollege.org:

Memo No :

Date: 15.04.2024

To Whom It May Concern

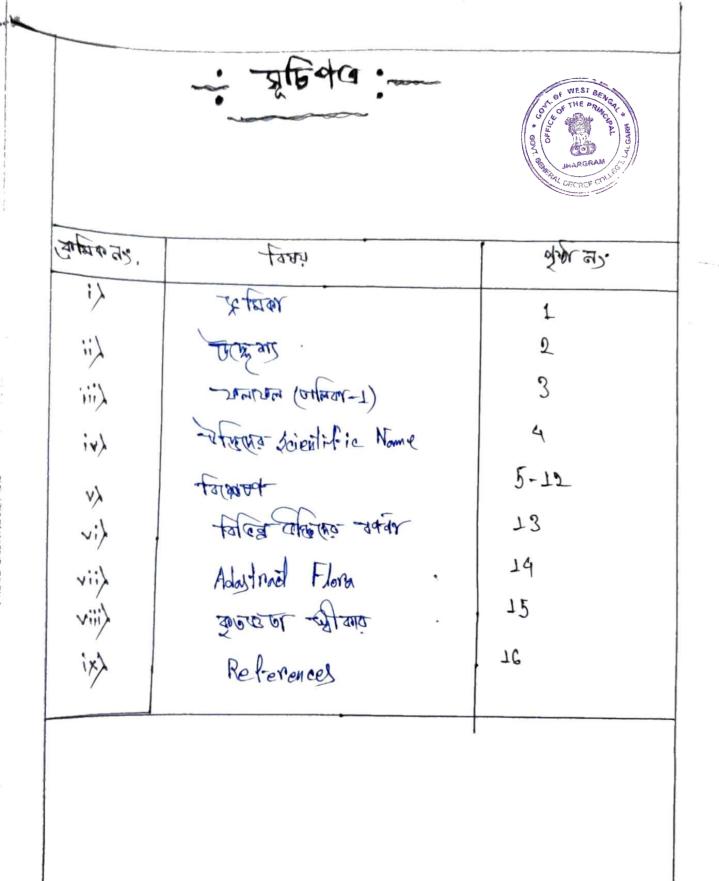
This is to Certify that Smt./Sri./Miss/Mr./Mrs. Apurba Mahala a 1st Semester B.A. (GEN) students of UG NEP-2020/GGDC Lalgarh, Jhargram, W.B. has done the allotted Project work on Value Added Course (VAC-01) entitled project. " Floral study on Digha Coast. W.B.

" as per the guideline of Vidyasagar University under the title Flora at Local ex-situ site for the fulfilment of end semester B.A./B.Sc. Hons./ General degree from Vidyasagar University in the year 2024 with full of satisfaction. He/She has completed 10 hours field visit for data collection and photography in connection with the Project work supervised by Dr. Debabrata Das, Associate Prof. of Botany, GGDC Lalgarh, Jhargram, W.B. on 22/02/2024 from 6:00 a.m. to 6:30 p.m. He/She also completed study on the major topic in the field/College and at home to prepare the project report complete in all aspects covering 30 hours. We wish her/him every success in life.

Deleabrate Das 15 fog 124

Signature of Supervisors:

(Dr. Debabrata Das) Associate Professor of Botany, Govt. General Degree College Lalgarh, Jhargram, Jhargram, W.B.





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Resources in our Forest area, Thangram

(A PROJECT REPORT ON ENVIRONMENTAL STUDIES BASED ON FIELD VISIT FOR THE PARTIAL FULFILLMENT OF THE 1st END SEMESTER B.A./B.Sc (Hons./GENERAL) DEGREE IN HUMANITIES UNDER NEP-2020)

Title of the Project Paper: VAC-01 (Group 1)

Report Submitted to:

Lalgarh Govt. College, Jhargram, W.B. Affiliated to: VIDYASAGAR UNIVERSITY, MIDNAPORE, W.B. 721102

REPORT SUBMITTED BY: Chanda Dolal

Roll: 4311123 No. 2319281

Registration No.: VU231230368 of 2023-2024 ABC ID: 146205112646

(Affiliated to Vidyasagar University, Midnapore, W.B)

Supervised by:

Prof. Dwaipayan Mitra, W.B.E.S. Assistant Professor of English, Dept. of English, Lalgarh Govt. College. Lalgarh, Jhargram, W.B. 721516

Year: 2024



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LALGARH GOVERNMENT COLLEGE Department of Botany

P.O.: LALGARH: DIST.: JHARGRAM: e-mail:principal@lalgarhyovtcollege.org:

Memo No.:

Date: 15.04.2024

To Whom It May Concern

This is to Certify that Smt/Sri/Miss/Mr/Mrs. Chanda Dolai , a 1st Semester B.A. (GEN) students of UG NEP-2020/GGDC Lalgarh, Jhargram, W.B. has done the allotted Project work on Value Added Course (VAC-01) entitled project, "Fround S and Flowers' Resources in our "as per the guideline of Vidyasagar University under the title Flora at Local ex-situ site for the fulfilment of end semester B.A./B.Sc. Hons./ General degree from Vidyasagar University in the year 2024 with full of satisfaction. He/She has completed 10 hours field visit for data collection and photography in connection with the Project work supervised by Dr. Debabrata Das, Associate Prof. of Botany, GGDC Lalgarh, Jhargram, W.B. on 6/2/2024 from 6:00 a.m. to 6:30 p.m. He/She also completed study on the major topic in the field/College and at home to prepare the project report complete in all aspects covering 30 hours. We wish her/him every success in life.

Deleabrate . Signature of Supervisors: 15/9124

(Dr. Debabrata Das) Associate Professor of Botany, Govt. General Degree College Lalgarh, Jhargram, Jhargram, W.B.

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Title:

PLAIN AND HILL FOREST ECOSYSTEM OF JHARGER (A PROJECT REPORT ON ENVIRONMENTAL STUDIES BASED ON FIELD VISIT AM IN FOR THE PARTIAL FULFILLMENT OF THE 1st END SEMESTER B.A./B.Sc W.B. (Hons./GENERAL) DEGREE IN HUMANITIES UNDER NEP-2020)

RGF

Title of the Project Paper: VAC-01 (Group 1)

Report Submitted to:

Lalgarh Govt. College, Jhargram, W.B. Affiliated to: VIDYASAGAR UNIVERSITY, MIDNAPORE, W.B. 721102

REPORT SUBMITTED BY:

Roll: 4311123 No. 2319267

Registration No.: VU231230369of 2023-2024 ABC ID: 910899237814

(Affiliated to Vidyasagar University, Midnapore, W.B)

Supervised by:

Prof. Dwaipayan Mitra, W.B.E.S. Assistant Professor of English, Dept. of English, Lalgarh Govt. College. Lalgarh, Jhargram, W.B. 721516

Year: 2024



Declaration of the Candidate

1. Debika Pal., 1st year, 1^a End Semester, B.A./B.Sc (Hons/General) student of Lalgarh Government College, Lalgarh, Ihargram, West Bengal have done my allotted project work on Environmental Studies. The title of the Project was" Ploin and Hill fonest Ecosystem of Thongroom in W.B. "as stipulated by our mentor teachers under the graduation syllabus of B.A/ B.Sc/-B.Com. (Hons/General) course affiliated to Vidyasagar University, Midnapore, West Bengal, India following NEP-2020 curriculum. It has been placed for the evaluation and for the partial fulfilment of Under Graduate (UG) degree, in Arts (Humanities) in the year 2024 from Government General Degree College, Lalgarh, Jhargram for 1st End Semester

Examination, 2023, 2023- 2024 session.

Debika Pal (Signature of the Candidate)

(Signature of the Candidate) University Roll: 4311123 No. 2319267 Registration No.: VU2312 of 2023-2024 30369

Date: I G /04/2024 Place: Lalgarh, Jhargram, W.B.





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GOVERNMENT OF WEST BENGAL LALGARH GOVERNMENT COLLEGE Department of Botany

P.O.: LALGARH: DIST.: JHARGRAM: e-mail:principal@lalgarhyovtcollege.org:

Memo No.:

Date: 15.04.2024

To Whom It May Concern

This is to Certify that Smt./Sri./Miss/Mr./Mrs. Debika Pal., a 1st Semester B.A. (GEN) students of UG NEP-2020/GGDC Lalgarh, Ihargram, W.B. has done the allotted Project work on Value Added Course (VAC-01) entitled project, "Plain & hill forest Ecosyster of Jhargram " as per the guideline of Vidyasagar University under the title Flora at Local ex-situ site for the fulfilment of end semester B.A./B.Sc. Hons./ General degree from Vidyasagar University in the year 2024 with full of satisfaction. He/She has completed 10 hours field visit for data collection and photography in connection with the Project work supervised by Dr. Debabrata Das, Associate Prof. of Botany, GGDC Lalgarh, Jhargram, W.B. on 6 /02/2024 from 6:00 a.m. to 6:30 p.m. He/She also completed study on the major topic in the field/College and at home to prepare the project report complete in all aspects covering 30 hours. We wish her/him every success in life.

Deleabrate Ans 15/4/24 Signature of Supervisors:

(Dr. Debabrata Das) Associate Professor of Botany, Govt. General Degree College Lalgarh, Jhargram, Jhargram, W.B.

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Title: cheeklist of medicinal Plant of Uropertoh

(A PROJECT REPORT ON ENVIRONMENTAL STUDIES BASED ON FIELD VISIT FOR THE PARTIAL EULFILLMENT OF THE 1st END SEMESTER B.A./B.Sc (Hons:/GENERAL) DEGREE IN HUMANITIES UNDER NEP-2020)

Title of the Project Paper: VAC-01 (Group 1)

Report Submitted to:

Lalgarh Govt. College, Jhargram, W.B. Affiliated to: VIDYASAGAR UNIVERSITY, MIDNAPORE, W.B. 721102

REPORT SUBMITTED BY:

Roll: 431123 No. 2319268

Registration No.: いいように ようろう of 2023-2024 ABC ID: 680031 3754 36

(Affiliated to Vidyasagar University, Midnapore, W.B)

Supervised by:

Prof. Dwaipayan Mitra, W.B.E.S. Assistant Professor of English, Dept. of English, Lalgarh Govt. College. Lalgarh, Jhargram, W.B. 721516

Year: 2024

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Memo No.:

Date 16 .04.2024

To Whom It May Concern

This is to Certify that Smt./Sri./Miss/Mr./Mrs. Indivisit Singhor, a 1st Semester B.A. (GEN) students of UG NEP-2020/GGDC Lalgarh, Jhargram, W.B. has done the allotted Project work on Value Added Course (VAC-01) entitled project, " checkist of Medicinal PLOHTS of ONOP 9000

" as per the guideline of Vidyasagar University under the title Flora at Local *ex-situ* site for the fulfilment of end semester B-A./B.Sc. Hons./General degree from Vidyasagar University in the year 2024 with full of satisfaction. He/She has completed 10 hours field visit for data collection and photography in connection with the Project work supervised by Dwaipayan Mitra, Assistant Professor of English, GGDC Lalgarh, Jhargram, W.B. on / /2024 from 6:00 a.m. to 6:30 p.m. He/She also completed study on the major topic in the field/College and at home to prepare the project report complete in all aspects covering 30 hours. We wish her/him every success in Life.

Signature of Supervisors:

(Asst. Prof. Dwaipayan Mitra) Assistant Professor of English, Dept. of English, Govt. General Degree College Lalgarh, Jhargram, Jhargram, W.B.



Declaration of the Candidate

I, Indetiit Singht, 1st year, 1st End Semester, B.A./B.Sc (Hons./General) student of Lalgarh Government College, Lalgarh, Jhargram, West Bengal have done my allotted project work on *Environmental Studies*. The title of the Project was" Checkligt of Melicinal Plants of uspeaton"

"as stipulated by our mentor teachers under the graduation syllabus of B.A/ B.Sc/-B.Com. (Hons/General) course affiliated to Vidyasagar University, Midnapore, West Bengal, India following NEP-2020 curriculum. It has been placed for the evaluation and for the partial fulfilment of Under Graduate (UG) degree, in Arts (Humanities) in the year 2024 from Government General Degree College, Lalgarh, Jhargram for 1st End Semester Examination,2023, 2023- 2024 session.

Indhoヴィナ らっかかん (Signature of the Candidate) University Roll: 43111 23 No: 2313268 Registration No: 4311123 of 2023-2024 VU 23123037

Date: /04/2024 Place: Lalgarh, Jhargram, W.B.



Govt. Gen. Degree College, Lalgarh, Jhargram, W.B., 721516 Value Added Course (VAC-01) Project in Field for UG Students Year: 2023-2024 **Feedback Form** (This form must be signed by Field Guide and countersigned by the Institutional Head at office after completion of field trip) Your Name in Capital Letter: INDRAJIT SINUTHA Your Subject: (H/G/ Multidisciplinary etc.): B.S.C (BOTANY, 2001014, PHYSILOMY) Your title of the Project: checkligt of Medicink P-Conts of 070 Pegoton Your Partner of the Project work at Field: Debototty dos Amon Jit Korrow Your Guide teacher in Field: Dh. Debototo dos Your Supervisor's Name: Any other Guide: Koboh Soben, BUBOY Check Date and Time of Arrival: 09/03/2024 (8:AM) Date and time of Departure: 09.03.2024 (3: PM) Hours spend on field: 7 hbs Overall Comment: Average/Good/Very Good/ Nice/ Excellent Management of the Organizer: brood Your Phone No. 8170882062 e-mail Id: indhoritsingho 405 @ Amal. Com have objection in the event Declaration: at GOPenhh. of field work Signature of the Student: Indooyit Singho College Roll: No.: 23 Regd. No. (Univ.): VU23 1230370 Signature of the Student: In doby1+ Simgh N Signature of the Guide Teacher: Verified by the Officer-ih-Charge: (With Seal) Officer - in - Charge Govt. General Degree College, Laigart Laigarth, Jhargram, 721516

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Title: TREE SPECI

ECOLOGICAL DIVERSITY AT SOME FORES AT GLES (A PROJECT REPORT ON ENVIRONMENTAL STUDIES BASED ON FIELD VISIT OF FOR THE PARTIAL FULFILLMENT OF THE 1ST END SEMESTER B.A.<u>/B.S</u>C WEST (Hons./<u>GENERAL</u>) DEGREE IN HUMANITIES UNDER NEP-2020) BONGAL

Title of the Project Paper: VAC-01 (Group 1)

Report Submitted to:

Lalgarh Govt. College, Jhargram, W.B. Affiliated to: VIDYASAGAR UNIVERSITY, MIDNAPORE, W.B. 721102

REPORT SUBMITTED BY: Indrani Jana

Roll: 431123 No.2319275

Registration No.: VU231230371of 2023-2024 ABC ID: 751026751152

(Affiliated to Vidyasagar University, Midnapore, W.B)

Supervised by:

Prof. Dwaipayan Mitra, W.B.E.S. Assistant Professor of English, Dept. of English, Lalgarh Govt. College. Lalgarh, Jhargram, W.B. 721516

Year: 2024



Declaration of the Candidate

I. Induani Jana, Ist year, 1ª End Semester, B.A./B.Sc (Hons./General) student of Lalgarh Government College, Lalgarh, Jhargram, West Bengal have done my allotted project work on *Environmental Studies*. The title of the Project was" Thee Species and ecological Divensity at some fonest ranges of west Bengal.

"as stipulated by our mentor teachers under the graduation syllabus of B.A/ B.Sc/ B.Com. (Hons/General) course affiliated to Vidyasagar University, Midnapore, West Bengal, India following NEP-2020 curriculum. It has been placed for the evaluation and for the partial fulfilment of Under Graduate (UG) degree, in Arts (Humanities) in the year 2024 from Government General Degree College, Lalgarh, Jhargram for 1st End Semester Examination, 2023, 2023- 2024 session.

Jundmanie Jana (Signature of the Candidate) University Roll: 4311123.No.: 2319.275 Registration No.VU2312380f 2023-2024

Date: 18/04/2024 Place: Lalgarh, Jhargram, W.B.





GOVERNMENT OF WEST BENGAL LALGARH GOVERNMENT COLLEGE Department of Botany

Memo No.:

Date: 15.04.2024

To Whom It May Concern

This is to Certify that Smi /Sri /Miss/Mr. /Mrs. Indrane Jana, als Semester B.A. (GEN) students of UG NEP-2020/GGDC Lalgarh, Jhargram, W.B. has done the allotted Project work on Value Added Course (VAC-01) entitled species and ecological divensity at project, " TREE Some fonest Rangs of West Bengal "as per the guideline of Vidyasagar University under the title Flora at Local ex-situ site for the fulfilment of end semester B.A./B.Sc. Hons./ General degree from Vidyasagar University in the year 2024 with full of satisfaction. He/She has completed 10 hours field visit for data collection and photography in connection with the Project work supervised by Dr. Debabrata Das, Associate Prof. of Botany, GGDC Lalgarh, Jhargram, W.B. on 6 / 2/2024 from 6:00 a.m. to 6:30 p.m. He/She also completed study on the major topic in the field/College and at home to prepare the project report complete in all aspects covering 30 hours. We wish her/him every success in life.

Deleabrate Das 15/04/24 Signature of Supervisors:

(Dr. Debabrata Das) Associate Professor of Botany, Govt. General Degree College Lalgarh, Jhargram, Jhargram, W.B.

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(A PROJECT REPORT ON ENVIRONMENTAL STUDIES BASED ON FIELD VISIT FOR THE PARTIAL FULFILLMENT OF THE 1st END SEMESTÉR B.A. (GENERA/HonsL) DEGREE IN HUMANITIES UNDER NEP-2020)

Title of the Project Paper: VAC-01 (Group 2)

Report Submitted to:

Lalgarh Govt. College, Jhargram, W.B. Affiliated to: VIDYASAGAR UNIVERSITY, MIDNAPORE, W.B. 721102

Roll: 431/123 No: 2310270

Registration No.: VU231230 373 of 2023-2024 ABC ID: 907935509615

(Affiliated to Vidyasagar University, Midnapore, W.B)

Supervised by:

Dr. Debabrata Das, W.B.E.S Associate Professor and Head, Dept. of Botany,

Lalgarh Govt. College. Lalgarh, Jhargram, W.B. 721516

2024



τ.

Declaration of the Candidate

I. Rima Ghosh , 1st year, 1st End Semester, B.A./B.Sc (Hons./General) student of Lalgarh Government College, Lalgarh, Jhargram, West Bengal have done my allotted project work on *Environmental Studies*. The title of the Project was" Checklist of

Flowra at Gopegarh.

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"as stipulated by our mentor teachers under the graduation syllabus of B.A/ B.Sc/ B.Com. (Hons/General) course affiliated to Vidyasagar University, Midnapore, West Bengal, India following NEP-2020 curriculum. It has been placed for the evaluation and for the partial fulfilment of Under Graduate (UG) degree, in Arts (Humanities) in the year 2024 from Government General Degree College, Lalgarh, Jhargram for 1st End Semester Examination,2023, 2023- 2024 session.

Rima Ghosh (Signature of the Candidate) University Roll: 4311133 No. 3319270 Registration No.: VU2312309730f 2023-2024

Date: .15 /04/2024 Place: Lalgarh, Jhargram, W.B.





1.

GOVERNMENT OF WEST BENGAL LALGARH GOVE BNAKENT COLLEGE Department of Bottony

P.O.: 1.41 GARD-1957 : JHARGRAM: e-mail-principal@lalgarkgovicalli

Memo No

Date 15.04 2024

To Whom It May Concern

This is to Certify that Smit Sri Miss Mr Mrs Rima Gibash Semester B.A. (GEN.) students of UG-NEP-2020-GGDC Lalgarh, Jhargram, W.B. has done the allotted Project work on Value Added Course (VAC-01) entitled Checklist Flora at Gopegarh project," " as per the guideline of Vidyasagar University under the title Flora at Local ex-situ site for the fulfilment of end semester B A. B Sc. Hons./ General degree from Vidyasagat University in the year 2024 with full of satisfaction. He/She has completed 10 hours field visit for data collection and photography in connection with the Project work supervised by Dr. Debabrata Dus, Associate Prof. of Botany, GGDC Lalgarh, Jhargram, W.B. one 03.2024 from 6.00 a.m. to 6:30 p.m. He/She also completed study on the major topic in the field College and at home to prepare the project report complete in all aspects covering 30 hours. We wish her/him every BULCESS ID LIFE

Sugnature of Supervisors 15 Poylage

(Di Debabrata Das) Amon mir Profession of Bolany, Gost General Degree College Lalgarh, Jhargram, Man man W H

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Title:

Elephant: An endangered species of c

(A PROJECT REPORT ON ENVIRONMENTAL STUDIES BASED ON FIELD VISIT FOR THE PARTIAL FULFILLMENT OF THE 1" END SEMESTER B.A./B.Sc (Hons./GENERAL) DEGREE IN HUMANITIES UNDER NEP-2020)

Title of the Project Paper: VAC-01 (Group 1)

Report Submitted to:

Lalgarh Govt. College, Jhargram, W.B. Affiliated to VIDYASAGAR UNIVERSITY, MIDNAPORE, W.B. 721102

REPORT SUBMITTED BY: Sangita Kaman Roll: 4311123 No: 2319283

Registration No.: VU231230377 of 2023-2024 ABC ID: 299401761466

(Affiliated to Vidyasagar University, Midnapore, W.B)

Supervised by:

Prof. Dwaipayan Mitra, W.B.E.S. Assistant Professor of English, Dept. of English, Lalgarh Govt. College. Lalgarh, Jhargram, W.B. 721516

Year: 2024



I. Songita Kamare, 1st year, 1st End Semester, B.A./B.Sc (Hons./General) student of Lalgarh Government College, Lalgarh, Jhargram, West Bengal have done my allotted project work on *Environmental Studies*. The title of the Project was" Elephant: An Endangered species of our onea.

"as stipulated by our mentor teachers under the graduation syllabus of B.A/ B.Sc/ B.Com. (Hons/General) course affiliated to Vidyasagar University, Midnapore, West Bengal, India following NEP-2020 curriculum. It has been placed for the evaluation and for the partial fulfilment of Under Graduate (UG) degree, in Arts (Humanities) in the year 2024 from Government General Degree College, Lalgarh, Jhargram for 1st End Semester Examination,2023, 2023- 2024 session.

Sangita Kaman (Signature of the Candidate) University Roll: 4311123...No.: 2319283 Registration No.: VU23123 of 2023-2024 0377

Date: 18 /04/2024 Place: Lalgarh, Jhargram, W.B.



Memo No.:

Date: 15.04.2024

To Whom It May Concern

This is to Certify that Smt./Sri./Miss/Mr./Mrs. Songila Kameri , a 1st Semester B.A. (GEN) students of UG NEP-2020/GGDC Lalgarh, Jhargram, W.B. has done the allotted Project work on Value Added Course (VAC-01) entitled project, "ELEPHANT: An Endangened species of Own onea

" as per the guideline of Vidyasagar University under the title Flora at Local *ex-situ* site for the fulfilment of end semester B.A./B.Sc. Hons./ General degree from Vidyasagar University in the year 2024 with full of satisfaction. He/She has completed 10 hours field visit for data collection and photography in connection with the Project work supervised by Dr. Debabrata Das, Associate Prof. of Botany, GGDC Lalgarh, Jhargram, W.B. $on^{o_{6}} k^{o_{2}}/2024$ from 6:00 a.m. to 6:30 p.m. He/She also completed study on the major topic in the field/College and at home to prepare the project report complete in all aspects covering 30 hours. We wish her/him every success in life.

Debabrute Sm 18/04/24

Signature of Supervisors:

(Dr. Debabrata Das) Associate Professor of Botany, Govt. General Degree College Lalgarh, Jhargram, Jhargram, W.B.



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1.

Title: Nature trail and record species at New Dight from Sceana to Dhensagor.

(A PROJECT REPORT ON ENVIRONMENTAL STUDIES BASED ON FIELD VISIT FOR THE PARTIAL FULFILLMENT OF THE 1st END SEMESTER B.A. (GENERA/HonsL) DEGREE IN HUMANITIES UNDER NEP-2020)

Title of the Project Paper: VAC-01 (Group 2)

Roll:

- 1

Report Submitted to:

Lalgarh Govt. College, Jhargram, W.B. Affiliated to: VIDYASAGAR UNIVERSITY, MIDNAPORE, W.B. 721102

REPORT SUBMITTED BY: Soumen Mahali 4311123 No. 2319272

OF

Registration No.: VU231230 378 of 2023-2024 ABC ID: 1266 29 311111

(Affiliated to Vidyasagar University, Midnapore, W.B)

Supervised by:

Dr. Debabrata Das, W.B.E.S Associate Professor and Head, Dept. of Botany,

Lalgarh Govt. College. Lalgarh, Jhargram, W.B. 721516



I. Soumen Malali, 1st year, 1st End Semester, B.A./B.Sc (Hons./General) student of Lalgarh Government College, Lalgarh, Jhargram, West Bengal have done my allotted project work on *Environmental Studies*. The title of the Project was" Notwre trail and record species if New Digha from Oceana to Dhews agar.

"as stipulated by our mentor teachers under the graduation syllabus of B.A/ B.Sc/ B.Com. (Hons/General) course affiliated to Vidyasagar University, Midnapore, West Bengal, India following NEP-2020 curriculum. It has been placed for the evaluation and for the partial fulfilment of Under Graduate (UG) degree, in Arts (Humanities) in the year 2024 from Government General Degree College, Lalgarh, Jhargram for 1st End Semester Examination,2023, 2023- 2024 session.

Soumen Mahali (Signature of the Candidate) University Roll: 4311123 No. 2319272 Registration No.: V(123)230370f 2023-2024

Date: 23 /04/2024 Place: Lalgarh, Jhargram, W.B.



GOVERNMENT OF WEST BENGAL LALGARH GOVERNMENT COLLEGE Department of Botany P.O.: LALGARH: DIST.: JHARGRAM: e-mail:principal@Jalgarhgavtcollege.org:



Memo No.:

Date: 15.04.2024

To Whom It May Concern

This is to Certify that Smt./Sri./Miss/Mr./Mrs. Sowmen Mahali^{*}, a 1st Semester B.A. (GEN) students of UG NEP-2020/GGDC Lalgarh, Jhargram, W.B. has done the allotted Project work on Value Added Course (VAC-01) entitled project, "Nature troil and record species at New Digha from Oceana to O Dhelisogen." " as per the guideline of Vidyasagar University under the title Flora at Local ex-situ site for the fulfilment of end semester B.A./B.Sc. Hons./ General degree from Vidyasagar University in the year 2024 with full of satisfaction. He/She has completed 10 hours field visit for data collection and photography in connection with the Project work supervised by Dr. Debabrata Das, Associate Prof. of Botany, GGDC Lalgarh, Jhargram, W.B. on 22/02/2024 from 6:00 a.m. to 6:30 p.m. He/She also completed study on the major topic in the field/College and at home to prepare the project report complete in all aspects covering 30 hours. We wish her/him every

success in life.

Releabrala Dar 23fo4/24 Signature of Supervisors:

(Dr. Debabrata Das) Associate Professor of Botany, Govt. General Degree College Lalgarh, Jhargram, Jhargram, W.B.

हुहनाः - लान्नियावर्ट्छन् जूर्व अग्निने मुन् खलाव पकाह साया के देखें की after हींछा । होडार लग्ना व्यान्त्र व्याहरू त्या होता है। राहरे लामा भूम किया मार्ग्स देनका । में। हार्ट बिका स्ट्रांस रियोद्ध द्वार्थ ताव्य दाया । या या दा प्रति द्वार्थ दा दे राहुन दिहरूको होएक सार्थ भाष मार्थ भाष भाष भाष का का का का का का का का की दिसे के का का का का का की दिसे के का का का का का का कि की कि की कि क and 211 21125 CIZIA 233, OF all FES 2730 afrants, tag Entr & Any CFET MAIT- Bratist, Gervaret Fag THING STORE BY GENCE अभार राष्ट्र 1 होति होतर रहन्दन होति देवार हे होते ही ही होते कार्य مار مراجعة من مراجع المراجع المراجع المراجع المراجعة من مراجعة من مراجعة من مراجعة من مراجعة من مراجعة من مراجع مراجع المراجع المراجعة المراجعة المراجعة المراجعة من مراجعة من مراجعة من مراجعة من مراجعة من مراجعة من مراجعة م المراجعة من مراجعة من CHATCH PATCE SILLI CALLO ANA INITIAN SILLI I GABICH TARGING (दार दाइक करहाक होता राहा जनुक उठार महत्य हार्ड्सक छात्र मान @ झाईगत्र देखिर दिय हा महाई हा महार (1) राल्य्रावन हान् महादु हत जन्माद शाहर सम्बद्ध २०१२ ि हो हो हो कि दीन्द्रिये। दाता लाक मून्ये अनित्वन समय ही हो नापट प्रेनकरा :- Gनर्मित, सन्द्रानि वय, इत्या, वत (राण्टन खात्यारा, (तन, छार्ट, तरे स्वारेस व्यक्तिये उछाराद्र ।

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FOREST RANGE, W.B.

(A PROJECT REPORT ON ENVIRONMENTAL STUDIES BASED ON FIELD VISIT FOR THE PARTIAL FULFILLMENT OF THE 1st END SEMESTER B.A./B.Sc (Hons./GENERAL) DEGREE IN HUMANITIES UNDER NEP-2020)

Title of the Project Paper: VAC-01 (Group 1)

Report Submitted to:

Lalgarh Govt. College, Jhargram, W.B. Affiliated to: VIDYASAGAR UNIVERSITY, MIDNAPORE, W.B. 721102

REPORT SUBMITTED BY: Sudipa Jona

8

BELPHHARE

1

OUR BHULAVA

Roll: 4311123 No. 2319284

Registration No.: VU23/230380 of 2023-2024 ABC ID: 363939020270

(Affiliated to Vidyasagar University, Midnapore, W.B)

Supervised by:

Prof. Dwaipayan Mitra, W.B.E.S. Assistant Professor of English, Dept. of English, Lalgarh Govt. College. Lalgarh, Jhargram, W.B. 721516

Year: 2024



I, Sudipa Jona, Ist year, 1ª End Semester, B.A./B.Sc (Hons./General) student of Lalgarh Government College, Lalgarh, Jhargram, West Bengal have done my allotted project work on *Environmental Studies*. The title of the Project was" Man plant relationship in our bhulaveda and Belpahard forest range, W.B.

"as stipulated by our mentor teachers under the graduation syllabus of B.A/ B.Sc/-B.Com. (Hons/General) course affiliated to Vidyasagar University, Midnapore, West Bengal, India following NEP-2020 curriculum. It has been placed for the evaluation and for the partial fulfilment of Under Graduate (UG) degree, in Arts (Humanities) in the year 2024 from Government General Degree College, Lalgarh, Jhargram for 1st End Semester Examination, 2023, 2023- 2024 session.

Sud i pa Jonal (Signature of the Candidate) University Roll: 4311123. No. 2319284 Registration No. VU2312303800f 2023-2024

Date: 1 6 /04/2024 Place: Lalgarh, Jhargram, W.B.



Date: 15.04.2024

Memo No ::

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To Whom It May Concern

This is to Certify that Smt/Sn/Miss/Mr/Mrs. Sudipor Forna .a1" Semester B.A. (GEN) students of UG NEP-2020/GGDC Lalgarh, Jhargram, W.B. has done the allotted Project work on Value Added Course (VAC-01) entitled project, " Alan Plant ne Chienschipt in Own Bhuleveda and Bellpaheri fortest the Wange's West Bungel "as per the guideline of Vidyasagar University under the title Flora at Local ex-situ site for the fulfilment of end semester B.A./B.Sc. Hons./ General degree from Vidyasagar University in the year 2024 with full of satisfaction. He/She has completed 10 hours field visit for data collection and photography in connection with the Project work supervised by Dr. Debabrata Das, Associate Prof. of Botany, GGDC Lalgarh, Jhargram, W.B. on 06/02/2024 from 6:00 a.m. to 6:30 p.m. He/She also completed study on the major topic in the field/College and at home to prepare the project report complete in all aspects covering 30 hours. We wish her/him every success in life.

Selectrata An 15 fo 4/24 Signature of Supervisors

(Dr. Debabrata Das) Associate Professor of Botany, Govt General Degree College Lalgarh, Jhargram, Jhargram, W.B.

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Title:

ECOSYStem Services of forests of Jhangram (A PROJECT REPORT ON ENVIRONMENTAL STUDIES BASED ON FIELD VISIT FOR THE PARTIAL FULFILLMENT OF THE 1st END SEMESTER B.A./B.SC (HONS./GENERAL) DEGREE IN HUMANITIES UNDER NEP-2020)

Title of the Project Paper: VAC-01 (Group 1)

Report Submitted to:

Lalgarh Govt. College, Jhargram, W.B. Affiliated to: VIDYASAGAR UNIVERSITY, MIDNAPORE, W.B. 721102

REPORT SUBMITTED BY: Tonima Mal 4311123 No. 2319278 Roll:

Registration No.: VU231230381 of 2023-2024 ABC ID: 173721984207

(Affiliated to Vidyasagar University, Midnapore, W.B)

Supervised by:

Prof. Dwaipayan Mitra, W.B.E.S. Assistant Professor of English, Dept. of English, Lalgarh Govt. College. Lalgarh, Jhargram, W.B. 721516

Year: 2024



I, Tanima Mal, Ist year, 1st End Semester, B.A./B.Sc (Hons./General) student of Lalgarh Government College, Lalgarh, Jhargram, West Bengal have done my allotted project work on *Environmental Studies*. The title of the Project was" ECOS ystem Scruces of forests of Jhangram.

"as stipulated by our mentor teachers under the graduation syllabus of B.A/ B.Sc/ B.Com. (Hons/General) course affiliated to Vidyasagar University, Midnapore, West Bengal, India following NEP-2020 curriculum. It has been placed for the evaluation and for the partial fulfilment of Under Graduate (UG) degree, in Arts (Humanities) in the year 2024 from Government General Degree College, Lalgarh, Jhargram for 1st End Semester Examination,2023, 2023- 2024 session.

Tanima Mal (Signature of the Candidate) University Roll: 4311123 No.: 2319278 Registration No.: VU23123 of 2023-2024 0381

Date: 1G /04/2024 Place: Lalgarh, Jhargram, W.B.







LALGARH GOVERNMENT COLLEGE Department of Botany

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Memo No.:

Date: 15.04.2024

To Whom It May Concern

This is to Certify that Smt./Sri./Miss/Mr./Mrs. Tomina Mal, a 1st Semester B.A. (GEN) students of UG NEP-2020/GGDC Lalgarh, Jhargram, W.B. has done the allotted Project work on Value Added Course (VAC-01) entitled project, "ECOSYStem Services of forcests of Jhangnam." " as per the guideline of Vidyasagar University under the title Flora at Local ex-situ site for the fulfilment of end semester B.A./B.Sc. Hons./ General degree from Vidyasagar University in the year 2024 with full of satisfaction. He/She has completed 10 hours field visit for data collection and photography in connection with the Project work supervised by Dr. Debabrata Das, Associate Prof. of Botany, GGDC Lalgarh, Jhargram, W.B. on& / 2/2024 from 6:00 a.m. to 6:30 p.m. He/She also completed study on the major topic in the field/College and at home to prepare the project report complete in all aspects covering 30 hours. We wish her/him every success in life.

Delabrate Am 15 foy 124 Signature of Supervisors:

(Dr. Debabrata Das) Associate Professor of Botany, Govt. General Degree College Lalgarh, Jhargram, Jhargram, W.B.

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Abstract

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Ecosystem is the interactions between and abiota in the environment. Ponent and their Specific type of action is due to specific climatic Conditions. 50, CCO-System Services mean to say the utmost value and nesults we got from the ecosystem. This is therefore important ton us. Soil, land, water, air etc. act Jointly and Serve as producer for any kind of Component. Plants are the producers and produces tood, fooden, wood, Secondary produces. They help to keep Soil healthy, Wealthy and productive. Good Coogstem Services cann better Environment and keep the environment cleans green and ecofriendly. So, Our requinand need fulfil to make sure due ements to fit environment. In this report I am trying to complete all aspects of ecosystem Services in our Thangram forest area.

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