

OFFICE OF THE DIRECTOR OF HIGHER & TECHNICAL EDUCATION
MEGHALAYA :: :: :: SHILLONG

No.CE/GC/PRO/ET/1/2018-2019/80,

Dated Shillong the 22nd July, 2022.

From: Dr. E. K. Mawkhiew,
Dy. Director of Higher Technical Education,
Meghalaya, Shillong.



To: The Principal,
Kiang Nangbah Government College,
Jowai.

Subject: Sanction for Field study trip in respect of Kiang Nangbah Government College, Jowai.

Sir,


With reference to the subject cited above, I am to forward herewith letter No.EDU/0298/2223/GEN, dated 18th July, 2022 and Sanction No:EDU/0338/15072022/2202/23, Sanction ID:2992 in connection with sanction for Field study trip in respect of Kiang Nangbah Government College, Jowai.

The amount has been allotted through BEAMS.

This is for your information and necessary action.

Enclosures: As stated.

Yours faithfully,


Dy. Director of Higher & Technical Education
Meghalaya :: :: :: Shillong



Government of Meghalaya
Education Department

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No.EDU/0298/2223/GEN

Dated: 18-07-2022

Sanction No: EDU/0338/15072022/2202/23

Sanction ID:2992

From : Shri P.N.Sangma
Deputy Secretary.
Education Department

To : The Director of Higher and Technical Education
Meghalaya Shillong

Sub : Sanction for Field study trip in respect of Kiang Nangbah Govt College, Jowai.

Sir,

I am directed to convey the sanction of the Governor of Meghalaya for an amount not exceeding ₹4,25,000.00/- (Rupees Four Lakhs Twenty Five Thousand only) for field study trip in respect of Zoology and Botany Department of Kiang Nangbah Govt College, Jowai..

The relevant rules and procedures laid down for incurring the expenditure and drawing and disbursement of the money should be strictly adhered to.

The expenditure is debitible to the Head of Account "212202031032300V1" (2202-GENERAL EDUCATION 03-UNIVERSITY AND HIGHER EDUCATION 103-GOVERNMENT COLLEGES AND INSTITUTES (23)-Excursion for College students 00-- 36-Grants-in-aid General (Non-Salary) General) for amount Rs. 4,25,000.00/- during the year 2022-2023.

The sanction is issued with the concurrence and approval of Finance Department vide Finance Memo vide No: FIN/477/2022-23, dated 12 Jul, 2022.

Yours faithfully

Deputy Secretary of Govt. of Meghalaya
Education Department

Dated Shillong the 18-07-2022

Memo No.EDU/0298/2223/GEN-A

Copy forwarded to:

1. Finance (EC-II) Department for Information
2. Finance (B) Department
3. Treasury Officer, Jowai.
4. Office Copy

By Order etc...

Deputy Secretary of Govt. of Meghalaya
Education Department

Dated Shillong the 18-07-2022

Memo No.EDU/0298/2223/GEN-B

Copy forwarded to:

1. The Accountant General (Audit)
2. The Accountant General (Accounts)

By Order etc...

Financial Adviser,
Education Department



Paper 8B (Practical)

Developmental Biology, Environmental Biology and Biotechnology

Marks: 25
Time: 4 Hours

1. Permanent preparation of whole mount of chick embryo.
2. Study of regeneration in *Hydra/Planaria*.
3. Study of whole mount /sections of different developmental stages of chick embryo from permanent slides.
4. Community analysis.
5. Qualitative analysis of aquatic communities from different water bodies.
6. Estimation of total hardness of water samples.
7. Quantitative estimation of Plankton.
8. Analysis of community similarities and species diversity indices.
9. Field trip and submission of Field Report.

Distribution of Marks

1. Developmental Biology
2. Environmental Biology
3. Spotting
4. *Viva Voce*
5. Laboratory Record
6. Field Report

Total 25 (Internal test – 7 + End semester test - 18)



FIELD TRIP REPORT

(2022-2023)

A TRIP TO

KOLKATA AND SUNDERBAN RESERVE

WEST BENGAL

DEPARTMENT OF ZOOLOGY
KIANG NANGBAH GOVT, COLLEGE, JOWAI
WEST JAINZIA HILLS DISTRICT



KIANG NANGBAH GOVERNMENT COLLEGE, JOWAI
DEPARTMENT OF ZOOLOGY

P.O. Jowai::West Jaiñtia Hills District::Meghalaya – 793150

FIELD REPORT (2022-2023)

TRIP TO KOLKATA AND SUNDERBAN RESERVE

The Department of Zoology, Kiang Nangbah Govt. College Jowai, organized a field trip to Kolkata and Sunderban Reserve West Bengal for 7 (seven) days w.e.f. 17th January 2023 to the 23rd January 2023. A field trip is organized every year for the 6th semester students of Zoology honors, as it is part of the prescribed curriculum by NEHU the education department, Government of Meghalaya Supports the financial assistance in order to fulfill the criteria allotted in the syllabus.

The principal objective of the trip is to enhance the knowledge and gathered valuable information, self expression and observation of the living flora and fauna, and their inter-relationship in that particular area.

The trip is an essential part of the study of the life science as only classroom instructions cannot bring the all round development of a student. To wider the sphere of mental level of the students, they should be given a chance to get an exposure to see and study directly the animals in their natural environment. This enhances the knowledge that is learned in the classroom discussion and laboratory experiences. In fact, classroom and field study are complementary to each other.

The concerned teachers Smt. D.A. Pde (Retd. H.O.D), Smt. M. Lyngwa, Smt A. Najjar and Smt. W.M. Dkhar along with the 6th semester students planned together and made an agreement for the whole trip. The team comprises of 28 students, 4 escorts (teachers) and 2 laboratory assistants. Prior the trip the teachers gave thorough instructions to the students regarding the necessary things required for the trip, collections to be made, photograph to be taken their personal requirements.

TOUR DIARY:

17/01/23

- The journey began on the 17th of January of 2023 at around 4.00 am from college campus.
- Reached the Guwahati railway station at around 11.00 am.
- The train was on time and at 12.45 pm we began our journey to Kolkata and reached on the 18/01/23 at around 10.00 am and went straight to Meghalaya house Kolkata for accommodations.



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13/01/23

- On that very day in the afternoon we took our first trip to Alipur Zoological Garden, Kolkata. The students were very excited to see varieties of animals, birds and different plants etc and took photograph of almost all the animals and birds available there.
- From there we proceeded to Indian Museum Kolkata, what interest them the most in the museum are the prehistoric animals and birds specimens and the mummy from Egypt.



Figure 1 INDIAN MUSEUM KOLKATA

KIANG NANGBAH GOVERNMENT COLLEGE, JOWAI DEPARTMENT OF ZOOLOGY

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14/01/23

- We visited Science City, Eco Park and Wax Museum. In the Wax Museum all the great personalities of the world are exhibited.

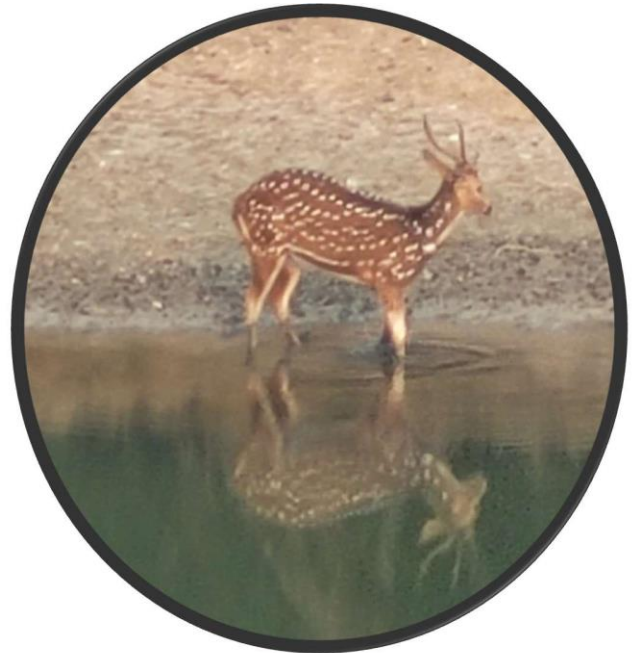


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20/01/23:-Trip to Sunderban Reserve

- Started at 5.00 am from Meghalaya house by bus
- Reached Sunderban at around 9.30 am, boarded the steamer at 9.45 am and started our journey around the reserve on the steamer. It was a very calm, peaceful and relax sailing.
- While sailing we could see on the river bank many uncommon birds, spotted deer, wild boar, monkeys, crocodiles, peacock, mangrove trees etc. Unfortunately we did not spot any Bengal tiger.
- Breakfast, lunch and tea were served in the steamer itself.
- By evening around 5.00 pm we finished our tour and then returned to the bus stand and the headed back to Meghalaya house by the same bus.



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STUDY TOUR TO KALALITTA (Gundalibana)
 from 17th to 23rd Jan 2023

Name	Roll no	Signature
Escort: ① Smt. A. Nayan (Teacher)		
② Smt. W. K. Eshwar (Teacher)		
③ Smt. C. Parvathi (Lab assistant)		
1. <i>Bursera Talara</i>	S2002467	
2. <i>Claytonia Toraja</i>	S2002468	
3. <i>Marthala Toraja</i>	S2002473	
4. <i>Chama Nitida</i>	S2002472	
5. <i>Isambardia Toraja</i>	S2002474	
6. <i>Rupia Toraja</i>	S2002475	
7. <i>Murphya Toraja</i>	S2002476	
8. <i>Mastura Toraja</i>	S2002477	
9. <i>Alpinia Toraja</i>	S2002478	
10. <i>Eleocharis Toraja</i>	S2002479	
11. <i>Heliconia Toraja</i>	S2002480	
12. <i>Marsipora Toraja</i>	S2002481	
13. <i>Stylis Stylis</i>	S2002482	
14. <i>Bomarea Toraja</i>	S2002483	
15. <i>Strobilanthus Toraja</i>	S2002484	
16. <i>Pinus Toraja</i>	S2002485	
17. <i>Pinus Toraja</i>	S2002486	
18. <i>Pinus Toraja</i>	S2002487	
19. <i>Pinus Toraja</i>	S2002488	
20. <i>Pinus Toraja</i>	S2002489	
21. <i>Pinus Toraja</i>	S2002490	
22. <i>Pinus Toraja</i>	S2002491	
23. <i>Pinus Toraja</i>	S2002492	
24. <i>Pinus Toraja</i>	S2002493	
25. <i>Pinus Toraja</i>	S2002494	
26. <i>Pinus Toraja</i>	S2002495	
27.		
28.		
29.		

[Signature]
for

HOD.
 Department of Zoology
 Kiang Nangbah Govt. College, Jowai

