

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

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

Dated Shillong the 22<sup>nd</sup> 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 18<sup>th</sup> 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)





# Kiang Nangbah Government College, Jowai

## Department of Zoology

Date: 29/07/2023

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Field Report cum Enrichment Programme in Rural Resource Training Centre RRTC Umran Ri Bhoi District.

The enrichment Programme is important and is a part of the syllabus for the 5<sup>th</sup> Semester students . The Department of Zoology Kiang Nangbah Govt College is organising this Programme with the money sanction by the government of Meghalaya through DERT.

There were 28<sup>th</sup> students and 3 teacher, Miss Alacrity Najjar, Dr. (Mrs.) Icydora Nongtraw and Dr. Proforma Suchiang who participate in this programme.

RRTC provide us with detail information in each section. The food processing unit under the Supervisor Miss Ucebia. She explains about heat treatment of fruits, refrigeration, sun drying, fermentation and preservative for making Pickle, Jam, juice, turmeric, there are machines for all these processing but they consider manually.

Then Sir Joseph Basumatri is explaining about Bee keeping. He explaining about the bee hive, the different modern method of bee keeping the type of species of honey bee, the annual turnover. About the bee colony the Queen bee, Drone and worker bee how to extract honey from the honey comb. The cost of honey is Rs 800 per kg and the extraction of honey is 10kg per hive. So, the profit is more than the expenditure, so bee keeping is very essential in today's life to give us healthy and a lively hood earning for the rural people at large.

Mr Coolendra is explaining about the method of making vermicompost for the organic waste and the earthworm's mixture is 80% organic waste to 20% crowding. There are 30,000 species of earthworm. The *Ascinia fotida* is south African earthworm. The cost of one earth worm is Rs 2. So, most of the farmer of those area who are interest in planting depend on the vermicompost made by these earthworms.

Flori system, Integrated farming like cabbage, bitter gourd, Tapioka, banana, animal husbandry, strawberry cultivation. From jhum cultivation about Rs 3lakhs per annum, poultry product like keeping broiler, broiler and layers. Sir Wilfred explains about the life stock, where milk is generated about 100l per day from 9 cows. The effect of lumpy disease for livestock like cows and Ox is mostly affected due to carriers like human who carries the virus through some effected place with such type of disease.

Sir Daniel he is the supervisor of the fishery department. Harvest of spawn and sullied to the farmers for self-fish rearing in private fish ponds. The type of fishes like Catla, Rohu, Mrigal, Silver carp, Common Carp, Grass Carp are the fishes kept. So integrated fish farm is also done with regards to poultry excreta, pig dung, cow dung is used in fish pond to generate plankton for growth of fishes.

The area of land in RRTC is 380 acres of land uses for multipurpose both for animals and plants growth as well.





INTERMENT PROCEEDINGS  
TO RURAL EVALUATE TRAINING

CENTRE - (S.R.22) - 24<sup>th</sup> July 2023

Sl. No.	Roll No.	NAME	SIGNATURE
1	S2102498	Prasanthi Suresh	P. Suresh
2	S2102495	Sumithra Syngdal	E. Syngdal
3	S2102465	Harman Pale	H. Pale
4	S2102487	Arjunyuthuthi	A. Arjunyuthuthi
5	S2102491	Maheshwari Syngdal Velay	M. Syngdal
6	S2102488	Arjunyuthuthi	A. Arjunyuthuthi
7	S2102479	Rameshwar Phasari	R. Phasari
8	S2102469	Sabitha Rymkani	S. Rymkani
9	S2102467	Elara P. P. P.	E. P. P.
10	S2102473	Riddhi Rymkani	R. Rymkani
11	S2102489	Jackson Bhanu	J. Bhanu
12	S2102494	Wanisha Phasari	W. Phasari
13	S2102480	Rishika Pale	R. Pale
14	S2102478	Deevika Suresh	D. Suresh
15	S2102474	Shakuntala Muthuswami	S. Muthuswami
16	S2102485	Fathima Syngdal	F. Syngdal
17	S2102462	Yashika K. K.	Y. K. K.
18	S2102483	Yashika Sultan	Y. Sultan
19	S2102484	Elavina Pahlani	E. Pahlani
20	S2102492	Midhani Nanganam	M. Nanganam
21	S2102470	Manjari Baner	M. Baner
22	S2102486	Arjunyuthuthi	A. Arjunyuthuthi
23	S2102493	Elavina K. K.	E. K. K.
24	S2102471	Rishika Suresh	R. Suresh
25	S2102464	Harman Shylia	H. Shylia
26	S2102468	Nivanshree Syngdal	N. Syngdal
27	S2102500	Fathima Pale	F. Pale
28			







John  
for -

Department of Zoology

Kingfisher Grot. Valley, Jordan

