

ZOOLOGY, FIELD STUDY TOUR TO MOLAI RESERVE FOREST, ZOOMP-506, 5th Semester

Program Name	Program Code	Name of the Course that includes experimental learning through project work/field work/internships	Course Code	Year of Offering	Name of the Student studied course on experimental learning through project work/field work/internships	Marks	Field Trip To
B.Sc. Zoology (Honours)	5 th Sem NON-CBCS (H)	Field work	ZOOMP-506	2020	Rahul Gogoi	6	Molai Reserve Forest
B.Sc. Zoology (Honours)	5 th Sem NON-CBCS (H)	Field work	ZOOMP-506	2020	Jintu Talukdar	6	Molai Reserve Forest
B.Sc. Zoology (Honours)	5 th Sem NON-CBCS (H)	Field work	ZOOMP-506	2020	Parishmita Nath	6	Molai Reserve Forest
B.Sc. Zoology (Honours)	5 th Sem NON-CBCS (H)	Field work	ZOOMP-506	2020	Karabi Gogoi	7	Molai Reserve Forest
B.Sc. Zoology (Honours)	5 th Sem NON-CBCS (H)	Field work	ZOOMP-506	2020	Protikha Borgohain	7	Molai Reserve Forest
B.Sc. Zoology (Honours)	5 th Sem NON-CBCS (H)	Field work	ZOOMP-506	2020	Durgeswar Bhuyan	6	Molai Reserve Forest

B.Sc. Zoology (Honours)	5 th Sem NON- CBCS (H)	Field work	ZOOMP- 506	2020	Debajit Gogoi	7	Molai Reserve Forest
B.Sc. Zoology (Honours)	5 th Sem NON- CBCS (H)	Field work	ZOOMP- 506	2020	Manjeet Neog	7	Molai Reserve Forest
B.Sc. Zoology (Honours)	5 th Sem NON- CBCS (H)	Field work	ZOOMP- 506	2020	Subhajit Borah	6	Molai Reserve Forest
B.Sc. Zoology (Honours)	5 th Sem NON- CBCS (H)	Field work	ZOOMP- 506	2020	Anwasha Gogoi	6	Molai Reserve Forest
B.Sc. Zoology (Honours)	5 th Sem NON- CBCS (H)	Field work	ZOOMP- 506	2020	Jyoti Tiwari	6	Molai Reserve Forest
B.Sc. Zoology (Honours)	5 th Sem NON- CBCS (H)	Field work	ZOOMP- 506	2020	Pragya Buragohain	7	Molai Reserve Forest
B.Sc. Zoology (Honours)	5 th Sem NON- CBCS (H)	Field work	ZOOMP- 506	2020	Mouchumi Dev	7	Molai Reserve Forest
B.Sc. Zoology (Honours)	5 th Sem NON- CBCS (H)	Field work	ZOOMP- 506	2020	Gayatri Hatrimuria	6	Molai Reserve Forest
B.Sc. Zoology (Honours)	5 th Sem NON- CBCS (H)	Field work	ZOOMP- 506	2020	Bishal Mout	6	Molai Reserve Forest

B.Sc. Zoology (Honours)	5 th Sem NON- CBCS (H)	Field work	ZOOMP- 506	2020	Suraj Mirdha	5	Molai Reserve Forest
B.Sc. Zoology (Honours)	5 th Sem NON- CBCS (H)	Field work	ZOOMP- 506	2020	Priyom Trishna Gogoi	7	Molai Reserve Forest
B.Sc. Zoology (Honours)	5 th Sem NON- CBCS (H)	Field work	ZOOMP- 506	2020	Jahir Hussain	6	Molai Reserve Forest
B.Sc. Zoology (Honours)	5 th Sem NON- CBCS (H)	Field work	ZOOMP- 506	2020	Nishitrishna Gogoi	7	Molai Reserve Forest
B.Sc. Zoology (Honours)	5 th Sem NON- CBCS (H)	Field work	ZOOMP- 506	2020	Pronami Mech	6	Molai Reserve Forest
B.Sc. Zoology (Honours)	5 th Sem NON- CBCS (H)	Field work	ZOOMP- 506	2020	Dipankar Phukan	7	Molai Reserve Forest
B.Sc. Zoology (Honours)	5 th Sem NON- CBCS (H)	Field work	ZOOMP- 506	2020	Joshi Borah	7	Molai Reserve Forest
B.Sc. Zoology (Honours)	5 th Sem NON- CBCS (H)	Field work	ZOOMP- 506	2020	Gandhi Chetry	6	Molai Reserve Forest

ZooMT- 505: Environmental Biology and Wildlife

Marks: 12 (IA) + 48 (4)

- Unit-1: Concepts pertaining to ecosystem, species, community, biome and ecotone; abiotic environmental factors and their effect on animals; trophic relationship and energy flow.
- Unit-2: Shelford's law of tolerance; Liebig's law of minimum; concept of population structure and dynamics; exponential and logistic growth; r and K selection; multidimensional niche concept; Lotka-Volterra model; natality; predator & prey relationship.
- Unit-3: Biogeochemical cycles (carbon, nitrogen, phosphorus and hydrological); Renewable and non-renewable resources of N.E. India and strategies for sustainable utilization; basic concept of remote sensing and EIA.
- Unit-4: Environmental pollution (water, air and soil); bioindicators in pollution; ecological succession; ecological backlash; greenhouse effect; ozone layer depletion and its impact.
- Unit-5: IUCN status of species category; important endangered species of India (rhinoceros, tiger, golden langur, dancing deer, river dolphin, pigmy woodpecker, winged wood duck and golden mahseer (*Tor* spp.)); threats to biodiversity; wildlife conflict; *ex-situ* and *in-situ* conservation strategies; major national parks and sanctuaries of India; concept of biosphere reserve and biodiversity hot spot; Insecticide Resistant Organisms; Insecticide Resistance Management Act, 1972.

ZooMP- 506: Practical based on ZooMT- 505

Marks: 8 (IA) + 32 (4)

1. Estimation of the size of the population by capture-recapture method (invertebrate/vertebrate).
2. Find out the abundance and density of insect pests in some agricultural commodities.
3. Determination of dissolved Oxygen/CO₂/Alkalinity in the water sample.
4. Find out the abundance and densities of terrestrial invertebrates in a habitat and associated fauna by Quadrant method.
5. Study of structural components of an aquatic/ grassland ecosystem.
6. Field study: To visit a National park/ Wildlife Sanctuary to study the types and prepare a full note on it.


SCHEME OF THE PRACTICAL EXAMINATION:

Time: 4 hrs.

1. Ecological experiment	8
2. Estimation	7
3. Field study	7
4. Practical record book	5
5. Viva voce	5

CERTIFICATE

This is to certify, that Rahul Gogoi.....student of B.Sc 5th semester,
Dept. of Zoology, Gargaon College bearing Roll no. 305 Registration
number 31214511.....had done field study at "MOLAI RESERVE" on 19 December
2020 for the partial fulfilment of syllabus of paper 506 Zoology major, Dibrugarh University.


Signature of guide
Dept. of Zoology Dept. of Zoology
Gargaon College Gargaon College
Date: Date:


Signature of HOD

CERTIFICATE

This is to certify, that Jishu Talukdar..... student of B.Sc 5th semester,
Dept. of Zoology, Gargaon College bearing Roll no. 320 Registration
number S1814408..... had done field study at "MOLAI RESERVE" on 19 December
2020 for the partial fulfilment of syllabus of paper 506 Zoology major, Dibrugarh University.

Signature of guide

Dept. of Zoology Dept. of Zoology
Gargaon College Gargaon College

Date: Date:

Signature of HOD

G 16/20

CERTIFICATE

This is to certify, that...*Paikishwari M. B.*..... student of B.Sc 5th semester,
Dept. of Zoology, Gargaon College bearing Roll no. *217* Registration
number. *51831912*..... had done field study at "MOLAI RESERVE" on 19 December
2020 for the partial fulfilment of syllabus of paper 506 Zoology major, Dibrugarh University.

Signature of guide

Dept. of Zoology Dept. of Zoology
Gargaon College Gargaon College

Date: Date:

Signature of HOD

CERTIFICATE

This is to certify, that.....K. P. B. Gupta..... student of B.Sc 5th semester,
Dept. of Zoology, Gargaon College bearing Roll no. 212. Registration
number. 5181412..... had done field study at "MOLAI RESERVE" on 19 December
2020 for the partial fulfilment of syllabus of paper 506 Zoology major, Dibrugarh University.



Signature of guide

Dept. of Zoology Dept. of Zoology
Gargaon College Gargaon College

Date: Date:



Signature of HOD



CERTIFICATE

This is to certify, that... Pratitha Borgohain.....student of B.Sc 5th semester,
Dept. of Zoology, Gargaon College bearing, Roll no. 22... Registration
number... 51816502,.....had done field study at "MOLAI RESERVE" on 19 December
2020 for the partial fulfilment of syllabus of paper 506 Zoology major, Dibrugarh University.



Signature of guide

Dept. of Zoology Dept. of Zoology

Gargaon College Gargaon College

Date: Date:



Signature of HOD

CERTIFICATE

This is to certify, that.....*Darshika Dasgupta*.....student of B.Sc 5th semester,
Dept. of Zoology, Gargaon College bearing, Roll no. *712*.. Registration
number.. *51814376*.....had done field study at "MOLAI RESERVE" on 19 December
2020 for the partial fulfilment of syllabus of paper 506 Zoology major, Dibrugarh University.



Signature of guide

Dept. of Zoology Dept. of Zoology

Gargaon College Gargaon College

Date: Date:



Signature of HOD

CERTIFICATE

This is to certify, that... Poojit Gogoi student of B.Sc 5th semester,
Dept. of Zoology, Gargaon College bearing, Roll no. 211.. Registration
number. 51.214.356..... had done field study at "MOLAI RESERVE" on 19 December
2020 for the partial fulfilment of syllabus of paper 506 Zoology major, Dibrugarh University.


Signature of guide

Dept. of Zoology Dept. of Zoology
Gargaon College Gargaon College

Date: Date:


Signature of HOD



CERTIFICATE

This is to certify, that Mamjeet Neog..... student of B.Sc 5th semester,
Dept. of Zoology, Gargaon College bearing Roll no. 214. Registration
number 21514440..... had done field study at "MOLAI RESERVE" on 19 December
2020 for the partial fulfilment of syllabus of paper 506 Zoology major, Dibrugarh University.



Signature of guide

Dept. of Zoology Dept. of Zoology
Gargaon College Gargaon College


Date: Date:



Signature of HOD

CERTIFICATE

This is to certify, that.....Subhajit Bozah.....student of B.Sc 5th semester,
Dept. of Zoology, Gargaon College bearing Roll no. 283 Registration
number. 51814556.....had done field study at "MOLAI RESERVE" on 19 December
2020 for the partial fulfilment of syllabus of paper 506 Zoology major, Dibrugarh University.


Signature of guide
Dept. of Zoology Dept. of Zoology
Gargaon College Gargaon College
Date: Date:


Signature of HOD



CERTIFICATE

This is to certify, that.....Anwesha Gogoi.....student of B.Sc 5th semester,
Dept of Zoology, Gargaon College bearing Roll no..... Registration
number.....S1814308.....had done field study at "MOLAIRESERVE" on 19 December 2020
for the partial fulfilment of syllabus of paper 506 Zoology major, Dibrugarh University.



Signature of guide

Dept. of Zoology Dept. of Zoology
Gargaon College Gargaon College

Date: 15/03/2021



Signature of HOD

G 16/3

CERTIFICATE

This is to certify, that Jyoti Tiwari.....student of B.Sc 5th semester,
Dept. of Zoology, Gargaon College bearing, Roll no. 322 Registration
number. 5181.44.15.....had done field study at "MOLAI RESERVE" on 19 December
2020 for the partial fulfilment of syllabus of paper 506 Zoology major, Dibrugarh University.



Signature of guide

Dept. of Zoology Dept. of Zoology
Gargaon College Gargaon College

Date: Date:



Signature of HOD

CERTIFICATE

This is to certify, that...Pragya Buragohain.....student of B.Sc 5th semester,
Dept. of Zoology, Gargaon College bearing Roll no. 108 Registration
number. S1814481.....had done field study at "MOLAIRISERVE" on 19 December 2020
for the partial fulfilment of syllabus of paper 506 Zoology major, Dibrugarh University.



Signature of guide

Dept. of Zoology Dept. of Zoology
Gargaon College Gargaon College

Date: 15.3.21



Signature of HOD

16/3

CERTIFICATE

This is to certify, that Mauchumi Dev.....student of B.Sc 5th semester,
Dept. of Zoology, Gargaon College bearing, Roll no. 99 Registration
number 51814447.....had done field study at "MOLAI RESERVE" on 19 December
2020 for the partial fulfilment of syllabus of paper 506 Zoology major, Dibrugah University.


Signature of guide

Dept. of Zoology Dept. of Zoology
Gargaon College Gargaon College

Date: Date:


Signature of HOD



Mauchumi Dev
Gargaon College
51814447

Zoology
506
2020

CERTIFICATE

This is to certify, that.....Gayatri Halimuria.....student of B.Sc 5th semester,
Dept. of Zoology, Gargaon College bearing, Roll no. 67... Registration
number...91814384.....had done field study at "MOLAI RESERVE" on 19 December
2020 for the partial fulfilment of syllabus of paper 506 Zoology major, Dibrugarh University.



Signature of guide

Dept. of Zoology Dept. of Zoology

Gargaon College Gargaon College

Date: Date:



Signature of HOD

CERTIFICATE

This is to certify, that Bishal Moul student of B.Sc 5th semester,
Dept. of Zoology, Gargaon College bearing Roll no..... Registration
number 51814337..... had done field study at "MOLAI RESERVE" on 19 December
2020 for the partial fulfilment of syllabus of paper 506 Zoology major, Dibrugarh University.



Signature of guide

Dept. of Zoology Dept. of Zoology
Gargaon College Gargaon College

Date: Date:



Signature of HOD

CERTIFICATE

This is to certify, that K. Suraj Mirdha student of B.Sc 5th semester,
Dept. of Zoology, Gargaon College bearing Roll no. 101 Registration
number 51914569 had done field study at "MOLAI RESERVE" on 19 December
2020 for the partial fulfilment of syllabus of paper 506 Zoology major, Dibrugarh University.



Signature of Guide

Dept. of Zoology Dept. of Zoology
Gargaon College Gargaon College

Date: Date:



Signature of HOD

CERTIFICATE

This is to certify, that Priyankrishna Gogoi.....student of B.Sc 5th semester,
Dept. of Zoology, Gargaon College bearing, Roll no. 234 Registration
number. 91814504.....had done field study at "MOLAI RESERVE" on 19 December
2020 for the partial fulfilment of syllabus of paper 506 Zoology major, Dibrugarh University.


Signature of guide

Dept. of Zoology Dept. of Zoology
Gargaon College Gargaon College
Date: Date:


Signature of HOD

CERTIFICATE

This is to certify, that.....Jahir Hussain.....student of B.Sc 5th semester,
Dept. of Zoology, Gargaon College bearing Roll no 266. Registration
number S1814402.....had done field study at "MOLAI RESERVE" on 19 December
2020 for the partial fulfilment of syllabus of paper 506 Zoology major, Dibrugarh University.



Signature of guide

Dept. of Zoology Dept. of Zoology

Gargaon College Gargaon College

Date: Date:



Signature of HOD

CERTIFICATE

This is to certify, that Nishitishna Gogoi.....student of B.Sc 5th semester,
Dept. of Zoology, Gargaon College bearing Roll no. 271 Registration
number 51814462.....had done field study at "MOLAIRESERVE" on 19 December 2020
for the partial fulfilment of syllabus of paper 506 Zoology major, Dibrugarh University.



Signature of guide

Dept. of Zoology Dept. of Zoology
Gargaon College Gargaon College

Date: 15.3.2021



Signature of HOD



CERTIFICATE

This is to certify, that Pranami Mech..... student of B.Sc 5th semester,
Dept. of Zoology, Gargaon College bearing Roll no. 114 Registration
number S1814506..... had done field study at "MOLAI RESERVE" on 19 December
2020 for the partial fulfilment of syllabus of paper 506 Zoology major, Dibrugarh University.



Signature of guide

Dept. of Zoology Dept. of Zoology
Gargaon College Gargaon College

Date: Date:



Signature of HOD

PRANAMI MECH
GARGAON COLLEGE
S1814506
114
ZOOLOGY
506
2021

CERTIFICATE

This is to certify, that Dipankar Phukan.....student of B.Sc 5th semester,
Dept.of Zoology,Gargaon College bearing, Roll no. 205 Registration
number. 51819371.....had done field study at "MOLAIRESERVE" on 19 December 2020
for the partial fulfilment of syllabus of paper 506 Zoology major, Dibrugarh University.



Signature of guide

Dept. of Zoology Dept. of Zoology
Gargaon College Gargaon College

Date: 15/03/2021



Signature of HOD

CERTIFICATE

This is to certify, that...Doshi, Bekeh.....student of B.Sc 5th semester,
Dept. of Zoology, Gargaon College bearing, Roll no. 226 Registration
number...51814409.....had done field study at "MOLAI RESERVE" on 19 December
2020 for the partial fulfilment of syllabus of paper 506 Zoology major, Dibrugarh University.



Signature of guide

Dept. of Zoology Dept. of Zoology
Gargaon College Gargaon College

Date: Date:



Signature of HOD

CERTIFICATE

This is to certify, that... Gandhi Chitoy student of B.Sc 5th semester,
Dept. of Zoology, Gargaon College bearing Roll no 259 Registration
number S1814362 had done field study at "MOLAI RESERVE" on 19 December
2020 for the partial fulfilment of syllabus of paper 506 Zoology major, Dibrugarh University



Signature of guide

Dept. of Zoology Dept. of Zoology
Gargaon College Gargaon College

Date: Date:



Signature of HOD