



গড়গাঁও মহাবিদ্যালয়
GARGAON COLLEGE

**PROJECT REPORT ON
NON-CHORDATES II
2022-23**

**DEPARTMENT OF ZOOLOGY
GARGAON COLLEGE
SIMALUGURI**



DEPARTMENT OF ZOOLOGY

Brief description of the report:

A project was conducted and submitted on Non-Chordates II by the students of B. Sc 2nd Semester, Department of Zoology, Gargaon College, as part of their theoretical syllabus on 10th November, 2022. The project was carried out under Dr. Anurag Protim Das, Assistant Professor, Department of Zoology, Gargaon College. The topics included, evolution of coelom, evolution of metamerism in Annelids, excretion in Annelids, metamorphosis in insects, social life of honey bee, social life of termites, torsion & detorsion in gastropoda, pearl formation in bivalves.

Rationality of the report:

Studying non-chordates, which constitute the vast majority of animal species on Earth, is of significant importance for several reasons. Non-chordates represent an incredibly diverse group of animals, including arthropods (insects, spiders, crustaceans), mollusks (snails, clams, octopuses), annelids (earthworms, leeches), and many others. By studying this diversity, scientists gain valuable insights into the evolutionary history and adaptation strategies of animals. Non-chordates play critical roles in various ecosystems. For instance, insects are essential pollinators, decomposers, and prey for other species. Molluscs filter water and impact nutrient cycling in aquatic environments. Annelids contribute to soil health through their burrowing activities. Studying these organisms helps us understand the complex web of interactions within ecosystems. Non-chordates often serve as model organisms in scientific research. For example, the nematode worm (*Caenorhabditis elegans*) has been used to study neurobiology and aging. Insights gained from these studies have direct implications for human health and biology. Many non-chordate species are threatened or endangered due to habitat loss, pollution, and climate change. Studying these organisms is essential for developing conservation strategies and preserving biodiversity.



List of students

Name of the Student	Roll Number	Project Title	Supervisor
Elimon Bailung	13220066	Characteristics of Mollusca & Pearl formation in Bivalves	Dr. Anurag Protim Das
Mintu Buragohain	13220098	Characteristics of Arthropoda & Social Life in Bees & Termites	Dr. Anurag Protim Das
Anamika Gogoi	13220166	General Characteristics of Mollusca; Torsion & Detorsion in Gastropoda	Dr. Anurag Protim Das
Ananya Konwar	13220167	General Characteristics and Vision in Arthropoda	Dr. Anurag Protim Das
Anneksha Pator	13220171	General Characteristics and Larval Forms in Echinoderms	Dr. Anurag Protim Das
Geetanjoli Teli	13220189	General Characteristics of Arthropoda and Vision & Respiration	Dr. Anurag Protim Das
Gitashree Tamuli	13220190	Vision & Respiration of Arthropoda with its General Characteristics	Dr. Anurag Protim Das
Lucky Rajkumari	13220207	General Characteristics of Annelida and Excretion in Annelida	Dr. Anurag Protim Das
Luna Borah	13220208	General Characteristics of Mollusca and Respiration in Mollusca	Dr. Anurag Protim Das
Manashi Subba	13220210	General Characteristics of Arthropoda and Metamorphosis in Insects	Dr. Anurag Protim Das
Gayatri Arandhara	13220213	General Characteristics of Mollusca and Respiration in Mollusca	Dr. Anurag Protim Das
Muskan Rohman	13220218	General Characteristics of Arthropoda and Metamorphosis in Insects	Dr. Anurag Protim Das
Shikha Chutia	13220248	General Characteristics of Annelida and Excretion in Annelida	Dr. Anurag Protim Das
Sneha Sensuwa	13220249	General Characteristics of Echinoderms and Water Vascular System of Asteroidea	Dr. Anurag Protim Das
Sudeshya Mirdha	13220258	General Characteristics and Vision & Respiration in Arthropoda	Dr. Anurag Protim Das
Sunirmala Mirdha	13220260	General Characteristics and Classification of Arthropoda & Vision in Arthropoda	Dr. Anurag Protim Das

**PROJECT
REPORT
ON**

1. CHARACTERISTICS OF MOLLUSCA

2. PEARL INFORMATION IN BIVALVES

SUBMITTED BY

NAME: ELIMON BAILING

BSC 2ND SEMESTER

DEPARTMENT : ZOOLOGY

ROLL NO: 9113220066

REG NO: S2205679

Project report on

Characteristics of Anthropoda and Social life In
Bees and Termites

Examined
30-5-23

Submitted by
Mintu Baragohain
BSC 2nd Semester
Department of Zoology
Session - 2023-2024
Date - 6/4/2023
Roll no - 13220098.
Reg. No - S2205123

PROJECT REPORT ON

General Characters of Mollusca
Torsion and Detorsion in Gastropoda

Session - 2022-23

Examined by
RA
30-5-23

Submitted by
Anamika Gogoi
B.Sc 2nd semester
Department of Zoology
Roll no - GICB2022103
Reg. no - 32205628

OUTSHINE
SF-402A

PROJECT REPORT ON

"General Characteristics and
vision in Arthropoda"

Examined
AD
30/5/23

Submitted By —
Ananya Konwar
Department of Zoology
Gargaon College
Simaluguri, Assam
Roll No - 13220167

PROJECT ON

"General Characters And Larval
Forms in Echinoderms."

Examined
30/5/23

Submitted to

Department of Zoology

Gargyan College.

Submitted by

Name- Aneksha Patil

B.Sc 2nd semester

Department of Zoology.

Roll no - 13220171

PROJECT REPORT ON

General Characteristics of Arthropoda & Vision and Respiration

Submitted by :-

Geetanjali Teli

Roll no - 60

Exam roll no - 13220189

Registration no - 52205684

BSc. 2nd Semester

Session - 2023

Department of Zoology

Sargawan College

Examined
30.6.23

A Project Report

On

The Vision and Respiration System of Arthropoda
with its General Characteristics

Submitted by :-

Gitashree Jamuli

Roll no - 13220190

B.Sc 2nd Semester

Department of Zoology

Gargaon Collage

Project Report On

"General Characters of Annelida and Excretion in Annelida"

Examined
(~~DD~~ External)
30.5.23.

Submitted by
Lucky Rajkumari
Roll no- 13220207
B.Sc. 2nd Semester
Deptt. of Zoology,
Garguon College.

PRACTICAL ON

General Characteristics Of Mollusca

AND

Respiration In Mollusca

Submitted by:

Luma Boraiah

Dept. of Zoology

Gonggaon college (2023)

Roll No : 13220208

Examined
30.5.23

PROJECT REPORT ON

General Characteristics of Arthropoda And Metamorphosis in Insects

Session - 2023-2024

Date - 8-4-2023

Checked
AS
30.5.23

Submitted by -

Manashi Subba

B.Sc 2nd Semester

Roll no - 13220210

Regd. no - S2205722

Department of Zoology
Gargaon College

PROJECT REPORT ON

"General Characters of Mollusca And Respiration
in Mollusca"

Examined
~~30/11/23~~
30/11/23

Submitted By

Name :- Gayatri Arandhara

Roll No :- 13220213

Registration NO :- S2205724

Department :- Zoology

Garggaon College

PROJECT ON
GENERAL CHARACTERS OF ARTHROPODA
METAMORPHOSIS IN INSECTS

~~Examined~~
~~RA~~
30/5/23

Submitted by.-

Name:- Muskan Rehman

Class:- B.Sc. 2nd Sem

Roll no. :- 13220218

College :- Gangaon College,
Simaluguri.

PROJECT REPORT

ON :

"GENERAL CHARACTERS OF ANNELIDA
AND EXCRETION IN
ANNELIDA"

Examined
30.5.23

Submitted by —
Shekha Chutia
Deptt. of Zoology
Bsc. 2nd Semester
Roll NO : 13220248
Reg NO : 52205788

Project Report
On

General Characteristics of Echinoderms
& Water-Vascular System of
Asteroidea

Submitted by

Sneha Samsuwa
BSc 2nd Semester.
Roll No - 13220249
Dept of Zoology,

Gargaon College, Bimalaguri

Checked
30.5.23

PROJECT REPORT

ON

TOPIC :- "General Characteristics of vision
and respiration in Arthropoda"

Examined

Submitted By

Miss Sudeshya Mirdha.

B.Sc. 2nd Semester

Dept. of Zoology

Session :- 2023

Date :- 20.4.2023

Roll no :- 13220258

OUTSHINE

SF-402A

PROJECT REPORT ON

TOPIC :- "GENERAL CHARACTERISTICS AND CLASSIFICATION OF ARTHROPODA AND VISION IN ARTHROPODA"

Examined
30/4/23

Submitted by

Miss Sunirmala Mirdha

B.SC. 2nd Semester

DEPT. of ZOOLOGY

Session:- 2023, Roll no:- 13220260

Dated:-

OUTSHINE

SF:402A

