

### 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. Nonchordates 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. Nonchordates 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

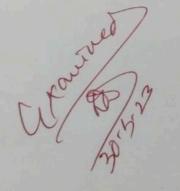
### PROJECT REPORT ON

#### 1.CHARACTERISTICS OF MOLLUSCA

2. PEARL INFORMATION IN BIVALVES

SUBMITTED BY NAME: ELIMON BAILING BSC 2<sup>™</sup> SEMESTER DEPARTTMENT : ZOOLOGY ROLL NO: 9113220066 REG NO:S2205679 Project respont on

Characteristics of Anthropoda and Social life In Bees and Termities

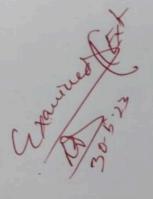


Submitted by Mintu Buragohain BSC 2nd Semester Department & Zoology Sension - 2023-2024 Date - 614/2023 Rollno- 13220098. Reg. No- 82205723

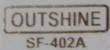
### PROJECT REPORT ON

Greneral Characters of Mollusca Tousion and Detousion in Grastropoda

Session - 2022-23

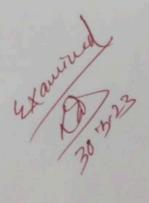


Sumitted by Anamika Gogoi B.S.C. 2nd semeskit Department of Zoology Roll no - GICB2022103 Reg. no-322.05628



PROJECT REPORT

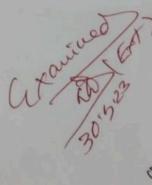
"General Characteristics and vision in Arthropoda".



Submitted By -Ananya Konwar Department of Toology Gargaon College Simaluquri, Assam Roll No - 13220167

# PROJECT ON

General Characters And Larvel Forms in Echinoderms."



Submitted to

Department of Zoology Gargaon College. Submitted by Name- Anneksha Paton BSc 2nd semester Department of Zoology. Roll no - 13220171

PROJECT REPORT Eneral Characteristics of Arthropodo Vision and Respiration Submitted by :anno anno anno Geetanjoli Teli Roll no - 60 Exam Roll no - 13220189 Registration no - 52205684 BSc. 2nd Semester sessoion - 2023 Department Zeelogy Sarga and Dellage

### A Project Report

On

The Vision and Respiration System of Arthropoda with its General Characteristics

> Bubmitted by: Gitashree Jamuli Roll no - 13220190 B.Sc 2nd Semester Department of Zoology Gargaon Collage

Project Report

General Characters of Annelida and Exorction in Annelida

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

## PRACTICAL ON

General Charecteristic OS Mollusca AND

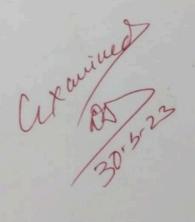
Respiration In Mollusca

Submitted by: Luna Bonah DepH. of Zoology Gongaon college (2023) Wtowind Roll NO: 13220208

# PROJECT REPORT ON General Characteristics of Arthropoda And

Metamorphosis in Insects

Session - 2023-2024 Nate - 8-4-2023



Submitted by-Manashi Dubba B.Sc 2nd Semester Rall no - 13220210

Regd. no - S2205722 Department of Zoology Gargaon College

### PROJECT REPORT ON

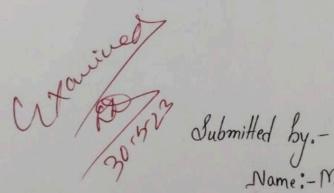
"General Characterics of Mollusca And Respiration in Mollusca"

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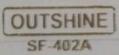
Submitted By

Name :- Gayatri Arandhara . Roll NO :- 13220213 Registration NO :- S2205724 Department : Zoology Gargaon College

PROJECT ON GENERAL CHARACTERS OF ARTHROPODA METAMORPHOSIS IN INSECTS



Name:- Muskan Pohman Class :- B.Sc. 2"d Sem Roll no.: - 13220218 College :- Gangaon College, Simaluguri .



# PROJECT REPORT ON:

"GENERAL CHARACTERS OF ANNELIDA AND EXCRETION IN ANNELIDA"

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Submitted by -Shikha Chutia Deptt. of Zoology Bsc. 2nd Semester Roll NO: 13920248 Reg NO: 52205788

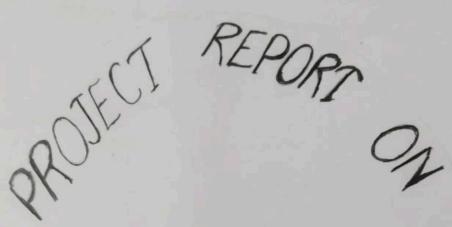
Project Report On

Greneral Characteristics of Echinoderms & Waster-Vascular System of Asterioidea

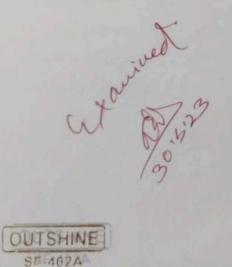
Submitted by

BBc 2nd Semester. Roll No - 13220249 WM Down Depth of Roology., 200 Grangaon College, Simalaguri

SECT REPORT 2 TOPIC: - "General Characteristics of vision and respiration in Anthropoda " Any Brebmitted By Miss Sudeshya Mirdha. B.Sc. 2nd Semester Dept. of Zoology Session :- 2023 OUTSHINE Dated - 20.4.2023 SF-402A Roll no: - 13 220 258



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



Submitted by Miss Sunirmata Mirdha B.SC. 2nd Semester DEPT. of ZOOLOGY Session: - 2023, Rollmo: - 13220260 Dated:-

