

ZOOLOGY, PROJECT REPORT ON PAPER ZC101P, 2021, 1st 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	Title of the project
B.Sc. Zoology (Honours)	1st Sem CBCS (H)	Project Work	ZC101P	2021	Usharani Doley	3	“A Project Report on Structural Organization and Mode of Nutrition in <i>Euglena viridis</i> ”
B.Sc. Zoology (Honours)	1st Sem CBCS (H)	Project Work	ZC101P	2021	Simanchal Handique	3	“Project On Life Cycle of <i>Plasmodium vivax</i> ”
B.Sc. Zoology (Honours)	1st Sem CBCS (H)	Project Work	ZC101P	2021	Rongpi Konwar	4	“Life Cycle and Pathogenicity of <i>Fasciola hepatica</i> ”
B.Sc. Zoology (Honours)	1st Sem CBCS (H)	Project Work	ZC101P	2021	Payal Ghosh	4	“Life Cycle and Pathogenicity of <i>Wuchereria bancrofti</i> ”
B.Sc. Zoology (Honours)	1st Sem CBCS (H)	Project Work	ZC101P	2021	Tabassum Ahmed	3	“Life Cycle and Pathogenicity of <i>Wuchereria bancrofti</i> ”
B.Sc. Zoology (Honours)	1st Sem CBCS (H)	Project Work	ZC101P	2021	Ankur Gogoi	5	“Metagenesis in <i>Obelia</i> -The Sea-Fur”

B.Sc. Zoology (Honours)	1st Sem CBCS (H)	Project Work	ZC101P	2021	Mousam Mohan	4	“Parasitic Adaptations in Helminthes”
B.Sc. Zoology (Honours)	1st Sem CBCS (H)	Project Work	ZC101P	2021	Ratul Borah	4	“Life Cycle and Pathogenicity of <i>Ascaris lumbricoides</i> ”
B.Sc. Zoology (Honours)	1st Sem CBCS (H)	Project Work	ZC101P	2021	Pragyashree Gogoi	3	“Life Cycle and Pathogenicity of <i>Entamoeba histolytica</i> ”
B.Sc. Zoology (Honours)	1st Sem CBCS (H)	Project Work	ZC101P	2021	Namita Gogoi	3	“Ctenophora: General Characteristics and Evolutionary Significance”
B.Sc. Zoology (Honours)	1st Sem CBCS (H)	Project Work	ZC101P	2021	Murchana Arandhara	4	“Canal System in Sponges”
B.Sc. Zoology (Honours)	1st Sem CBCS (H)	Project Work	ZC101P	2021	Liza Mohan	4	“Structural Organisation and Mode of Nutrition in <i>Paramecium</i> ”
B.Sc. Zoology (Honours)	1st Sem CBCS (H)	Project Work	ZC101P	2021	Sumaya Hussain	3	“Project on Polymorphism in Coelenterate”
B.Sc. Zoology (Honours)	1st Sem CBCS (H)	Project Work	ZC101P	2021	Dipshikha Borah	4	Life Cycle and Pathogenicity of <i>Ascaris lumbricoides</i> ”
B.Sc. Zoology (Honours)	1st Sem CBCS (H)	Project Work	ZC101P	2021	Riya Devi	5	“Life Cycle and Pathogenicity of <i>Taenia solium</i> ”

B.Sc. Zoology (Honours)	1st Sem CBCS (H)	Project Work	ZC101P	2021	Nituraj Phukan	4	“Polymorphism in Cnidaria”
B.Sc. Zoology (Honours)	1st Sem CBCS (H)	Project Work	ZC101P	2021	Aparajita Baruah	5	“Basic Concepts of Porifera and its Reproductive System”
B.Sc. Zoology (Honours)	1st Sem CBCS (H)	Project Work	ZC101P	2021	Priyakhi Dutta	4	“Coral and Coral Reef”
B.Sc. Zoology (Honours)	1st Sem CBCS (H)	Project Work	ZC101P	2021	Aradhana Borah	5	“Spicules in Sponges”
B.Sc. Zoology (Honours)	1st Sem CBCS (H)	Project Work	ZC101P	2021	Jyotika Buragohain	5	“Structural Organisation and Mode of Nutrition in Amoeba”
B.Sc. Zoology (Honours)	1st Sem CBCS (H)	Project Work	ZC101P	2021	Jyotismoti Phukan	5	“Locomotion and Reproduction in Protozoa”
B.Sc. Zoology (Honours)	1st Sem CBCS (H)	Project Work	ZC101P	2021	Luna Deori	3	“Canal System in Sponges”
B.Sc. Zoology (Honours)	1st Sem CBCS (H)	Project Work	ZC101P	2021	Hiyamoni Deori	3	“Cnidaria Characteristics and Classification in Project”
B.Sc. Zoology (Honours)	1st Sem CBCS (H)	Project Work	ZC101P	2021	Meetali Buragpohain	5	“A project Report on Ctenophora: Its General Characteristics and Evolutionary Significance”

B.Sc. Zoology (Honours)	1st Sem CBCS (H)	Project Work	ZC101P	2021	Najnin Ahmed	4	“General Characteristics and Classification of Porifera”
B.Sc. Zoology (Honours)	1st Sem CBCS (H)	Project Work	ZC101P	2021	Pallavi Tasha	5	“Project On structural Organisation and Nutrition in Euglena”

Course Code: ZC101P
NON-CHORDATES I: PROTISTS TO PSEUDOCOELOMATES

PRACTICALS

(Credits 2)

1. Study of whole mount of *Euglena*, *Amoeba* and *Paramecium*, Binary fission and Conjugation in *Paramecium*
2. Examination of pond water collected from different places for diversity in Animal protista (Protozoa)
3. Study of *Sycon* (T.S. and L.S.), *Hyalonema*, *Euplectella*, *Spongilla*
4. Identification of museum specimen: *Obelia*, *Physalia*, *Millepora*, *Aurelia*, *Tubipora*, *Corallium*, *Alcyonium*, *Gorgonia*, *Metridium*, *Pennatula*, *Fungia*, *Meandrina*, *Madrepora* and One specimen/slide of any ctenophore
5. Study of adult *Fasciola hepatica*, *Taenia solium* and their life cycles (Slides/micro-photographs)
6. Study of adult *Ascaris lumbricoides* and its life stages (Slides/micro-photographs)
7. To submit a Project Report on any related topic based on theory syllabus.

Note: Classification to be followed from -Ruppert and Barnes (2006) *Invertebrate Zoology*, 8th edition, Holt Saunders International Edition]

SUGGESTED READINGS

- Ruppert and Barnes, R.D. (2006). *Invertebrate Zoology*, VIII Edition. Holt Saunders International Edition.
- Barnes, R.S.K., Calow, P., Olive, P.J.W., Golding, D.W. and Spicer, J.I. (2002). *The Invertebrates: A New Synthesis*, III Edition, Blackwell Science
- Barrington, E.J.W. (1979). *Invertebrate Structure and Functions*. II Edition, E.L.B.S. and Nelson

CERTIFICATE

This to certify that Miss. Ushant Doley a student of B.Sc. 1st Semester Dept. of Zoology has carried out this project report Entitled "Structural Organization and Nutrition in Euglena viridis" under my guidance and supervision. It is undertaken as a part of practical syllabus prescribed by Dibrugarh University.

Exani
19/07/21

Signature of Guide.
Dept. of Zoology
Gangoon College
Simaluguri

Signature of HOD
Dept. of Zoology
Gangoon College
Simaluguri

CERTIFICATE

This is to certify that J Simanchal Mondique, the student of B.Sc. 1st Semester, department of zoology of Gargaon College has successfully carried out this project work on entitled "Life cycle of Plasmodium vivax" under my guidance and supervision. It is undertaken as a part of practical syllabus prescribed by Dibrugarh University.

Practical

[Signature]


Signature of Guide
Dept. of zoology
Gargaon college

[Signature]


Signature of HOD
Dept of zoology
Gargaon college

CERTIFICATE

This is to certify that Kengpi Konwar, student of
B.Sc 1st semester, Zoology dept. Gauhati College Assam
Roll no. _____ and Registration no. 32006948
has completed the project report on 'life cycle of
Fasciola hepatica and its pathogenicity for the partial
fulfilment of syllabus of paper 'Invertebrates Zoology',
Assam University


Signature of Guide


Kengpi Konwar


Signature of HOD

CERTIFICATE

This is to certify that Pappal Ghosh, student of BSc
3rd semester Dept. of Zoology Gangoon College bearing Roll
No 0013020133 and Registration number 22006226 has
done the project report on "Life cycle and pathogenicity of
Mucorales Basidiomycota" on 08th December 2020 for the
partial fulfillment of syllabus of paper INTEGRATED
Zoology major Dibrugarh University.

Signature of guide

Dept. of Zoology

Gangoon College

Date:-

Signature of HOD

Dept. of Zoology

Gangoon College

Date

CERTIFICATE

This is to certify that SH ANKUR GOGOI, student of
B.Sc. 1st Semester Dept. of Zoology, Guregaon
College Boreing Roll NO
Registration number 52006841 had done the
project report on "METAGENESIS IN OBELIA"
On 26th December 2020 for the partial fulfillment
of syllabus of paper INVERTEBRATES, zoology major
Jalpaiguri university.

[Handwritten signature]


[Signature]
Signature of guide
Dept. of zoology
Guregaon College
Date: ☐


[Signature]
Signature of HOD
Dept. of zoology
Guregaon College.
Date: ☐

CERTIFICATE

This is to certify that **Mousum Mohan** a student of B. Sc 1st semester Dept. of Zoology of Gargaon College bearing Roll no _____ and Registration no _____ has successfully completed the project report on Parasitic habitation in helminth seminar under my guidance and supervision during the year 2020-2021 in partial fulfillment of Ecology practical.

It is under taken as a part of practical syllabus prescribed by Dibrugarh University.



Signature of Guide
Dept. of Zoology
Gargaon College



Signature of HOD
Dept. of Zoology
Gargaon College

CERTIFICATE

This is to certify that, I Rahul Borah
the student of B.Sc 1st Semester,
Department of zoology of Garoam College
has successfully carried out this project
work on entitled "Life cycle and
Pathogenicity of Ascaris Lumbricoides".
under my guidance and Supervisions.
It is under taken as a part of
practical syllabus prescribed by
Dibrugarh University.

Rahul
Borah
12/11/2019


Signature of Guide
Dept. of zoology
Garoam College


Signature of HOD
Dept. of zoology
Garoam College

CERTIFICATE

This is to certify that Miss Namita Gogoi, student of B.Sc
1st semester Dept. of Zoology Gauhati College bearing Roll
NO Registration number 52006908 had done
the project report on "CTENOPHORA GENERAL CHARACTERISTI-
CS AND EVOLUTIONARY SIGNIFICANCE" on 26th
December 2020 for the partial fulfilment of syllabus of
paper INVERTEBRATES, Zoology major Dibrugarh University.

Examiner
H
24/12/20

[Signature]
Signature of guide
Dept. of Zoology
Gauhati College
Date:-

[Signature]
Signature of HOD
Dept. of Zoology
Gauhati College
Date:-

CERTIFICATE :-

This is to certify that Miss Muralidhar Arundhan,
the student of B.Sc. Zoology department of Gargan College
has carried out this project work entitled "CANAL SYSTEM IN
SPONGES" under my guidance and supervisions. It is
undertaken as a part of practical syllabus prescribed by Dibrugarh
University.


Signature of guide
Department of Zoology
Gargan College



Signature of HOD
Department of Zoology
Gargan College




CERTIFICATE

This is to certify that I Liza Mohan, the student of B.Sc. 1st Semester, Department of Zoology of Gargaon College has successfully carried out this Project work on entitled "Structural organization and mode of Nutrition in Paramecium". under my guidance and Supervisions. It is undertaken as a part of Practical Syllabus Prescribed by Dibrugarh University.

Liza Mohan
Student


Signature of Guide
Dept. of Zoology
Gargaon College.



Signature of HOD
Dept. of Zoology
Gargaon College.

CERTIFICATE

This is to certify that Miss Sumaya Hussain, Student of BSC 1st semester Dept. of Zoology Jargaon College bearing Roll No. 297 Registration number 206874 had done the project report on "POLYMORPHISM IN COELENTERATE" on 26th


December 2020 for the partial fulfilment of syllabus of paper INVERTEBRATES, zoology major Dibrugarh university.


Signature of guide
Dept. of Zoology
Jargaon College
Date :-



Signature of HOD
Dept. of Zoology
Jargaon College
Date :-

CERTIFICATE

This is to certify that Miss Dipika Borah, a student of B.Sc 1st semester Dept. of Zoology, Gargaon college bearing Roll... No... registration number 52006849, had done the project report on 'Acaaris lumbricoides' on 26th December 2020 for the partial fulfilment of syllabus of paper INVERTEBRATES, Zoology major Dibrugarh University.



Signature of guide
Dept. of Zoology
Gargaon College
Date:


Date: 12/12/20


Signature of HOD
Dept. of Zoology
Gargaon college
Date:


CERTIFICATE


This is to certify that Miss Riya Devi, the student of First Semester from Department of Zoology of Gargaon College has successfully carried out this project work entitled, "*Life cycle and pathogenicity of Taenia Solium (Pork Tapeworm)*" under my guidance and supervisions. It is undertaken as a part of practical syllabus prescribed by Assam University.


Dr. Rina Handique
Head of the Department.
Zoology Department
Gargaon College
Simaluguri, Sivasagar
Assam.

CERTIFICATE

This is to certify that Sri Nitunaj Phukan, student of
B.Sc 1st semester Dept. of Zoology, Gargaon College,
bearing Roll: NO: Regs. No: S2006917
had done the project report on "Polymorphism in
Cnidaria" on 26th December for the partial fulfilment
syllabus of Open Invertebrates, Zoology Major,
Dibrugarh University.



Signature of guide
Dept. of Zoology
Gargaon College
Date:


Signature of HOD
Dept. of Zoology
Gargaon College
Date:

CERTIFICATE

This is to certify that Apocajita Baruah, the student of B.Sc 1st semester, Department of Zoology of Garogaan College has successfully carried out this project work entitled "**BASIC CONCEPTS OF PORIFERA AND ITS REPRODUCTIVE SYSTEM**" under my guidance and supervisions. It is undertaken as a part of practical syllabus prescribed by Dibrugarh University.


Signature of Guide
Mrs. Pimily Langthasa
Zoology Department
Garogaan College
Simalaguri (Assam)


Signature of HOD
Dr. Rina Harolique
Head of Department
Zoology Department
Garogaan College
Simalaguri (Assam)


Dr. Rina Harolique
20/11/23

CERTIFICATE

This is to certify that Priyabhi Dutta a student of B.Sc 1st semester dept. of zoology of Gargaon college bearing Roll no :- 108 and reg. no. S2006934 has successfully completed the project during the year 2020-2021 in partial fulfillment of Zoology practical. It is undertaken as a part of practical syllabus prescribed by Dibrugarh University.



Signature of guide
Dept. of zoology
Gargaon college



Signature of HOD
Dept. of zoology
Gargaon college

CERTIFICATE

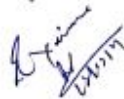
This is to certify that Miss Anadhama Borah
the student of B.Sc Zoology department of
Jangam College has carried out this project
work entitled "Spicules IN Sponges" under
my guidance and supervision. It is under-
taken as a part of practical syllabus prescri-
bed by Dibrugarh University



Signature of guide
Dept. of Zoology
Jangam College



Signature of HOD
Dept. of Zoology
Jangam college




CERTIFICATE

This is to certify that S. Jyotika Buragohain,
student of B.Sc 1st Semester Dept. of Zoology, Gargaon
college has carried the project work entitled "Structural
organisation and mode of nutrition in Amoeba" under my
guidance and supervision. It is undertaken as a part of
practical syllabus prescribed by Dibrugarh University.


Signature of Guide
Dept. of Zoology
Gargaon College


14/02/20


Signature of HOD
Dept. of Zoology
Gargaon College

CERTIFICATE

This is to certify that Jyotshmati Purohit a student of B.Sc 1st semester Dept. of Zoology of Gargan College bearing Roll no FCBCE0008 and Registration no SD006871 has successfully completed the project during the year 2020-2021 in partial fulfillment of Zoology practical. It is under taken as a part of practical syllabus prescribed by Vidya University.

Jyotshmati

Signature of Guide
Dept. of Zoology
Gargan college

Jyotshmati
20/11/21

Jani

Signature of HOD
Dept. of Zoology
Gargan college

CERTIFICATE

This is to certify that Miss Luna Deoni, student of B.Sc 1st semester Dept. of Zoology Gargoon College Dibrugarh Roll. No. Registration number 22006887 had done the project report on "Canal System in Sponges" on 26th December 2020 for the partial fulfillment of syllabus of paper INVERTEBRATES, Zoology major Dibrugarh University.

Date
Signature of guide

Dept. of Zoology
Gargoon College
Date:

L. Deoni
(12/12/20)

Deoni
Signature of HOD

Dept. of Zoology
Gargoon College
Date:

Certificate

This is to certify that Miss Hiyamoni
Deori, Student of B.Sc 1st Semester
Dept. of Zoology, Gargaon College bearing
Roll _____ No: _____ Registration
number S2006887 had done the
Project report on "Cnidaria character-
istics and classification" on 26th
December 2020 for the partial fulfillment
of syllabus of paper Invertebrates,
Zoology major, Dibrugarh university.

Signature
Signature of guide
Dept. of Zoology
Gargaon College

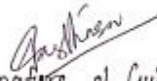
Date:

Signature
12/12/20

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

CERTIFICATE

This is to certify that Meelal Buragohain, the student of Zoology Department, B.Sc 1st Semester has successfully carried out the project work entitled "CTENOPHORA : IT'S GENERAL CHARACTERISTICS AND EVOLUTIONARY SIGNIFICANCE" under my guidance and supervision. It is undertaken as a part of practical syllabus prescribed by Dibrugarh University.


Signature of Guide
Mrs. Pirily Langthasa
Zoology Department
Gargaon College
Simaluguri (Assam)


Signature of HOD
Dr. Rina Handique
Head of Department
Zoology Department
Gargaon College
Simaluguri (Assam)

CERTIFICATE

This is to certify that Najnin Ahmed a student of BSc 1st semester Dept. of Zoology of Gangaon College bearing Roll No GICB2020005 and Registration no S2006907 has successfully completed the the project during the year 2020-2021 in partial fulfillment of Zoology practical. It is undertaken as a part of practical syllabus prescribed by Dibrugarh University.



Signature of Guide
Dept. of Zoology
Gangaon College




Signature of HOD
Dept. of Zoology
Gangaon College

CERTIFICATE

This is to certify that J. Pallavi Tasha, the student of B.Sc. 1st Semester, Department of zoology of Garogaon College has successfully carried out this project work on entitled "Structural Organisation and Nutrition in Euglena" under my guidance and supervisions. It is under taken as a part of practical syllabus prescribed by Dibrugarh University.

Pallavi Tasha
20/11/2023


Signature of Guide
Dept. of zoology
Garogaon college


Signature of HOD
Dept. of zoology
Garogaon college.