

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 Cnideria”
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. Ushasree 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.

Exam
is
19/04/21

Signature of Guide.
Dept. of Zoology
Bongaon College
Simaluguri

Signature
of HOD
Dept. of Zoology
Bongaon College
Simaluguri

CERTIFICATE

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

Dr. J. Mondal

J. Mondal


Signature of Guide
Dept. of zoology
Gargoon college

J. Mondal

Signature of HOD
Dept of zoology
Gargoon college

CERTIFICATE

This is to certify that Rengpi Konwar, student of
B.Sc 1st semester, Zoology dept. Gargaon College Bashing
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

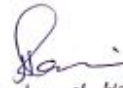

Rengpi Konwar


Signature of HOD

CERTIFICATE

This is to certify that Payal Ghosh, student of BSc
3rd semester Dept. of Zoology Gangoon College bearing Roll
No BCB2020133 and Registration number 22006226 has
done the project report on "Life cycle and pathogenicity of
Mucosinema Bonchovi" on 28th December 2020 for the
partial fulfillment of syllabus of paper INVERTEBRATES
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 S2006841 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.

Signature
26/12/20


Signature
Signature of guide
Dept. of zoology
Guregaon College
Date: 26/12/20


Signature
Signature of HOD
Dept. of zoology
Guregaon College.
Date: 26/12/20

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


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
14/01/21

[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 Muskhara Ajeendhara, 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



Muskhara Ajeendhara

CERTIFICATE

This is to certify that I Liza Mohan, the Student of Bsc. 1st Semester, Department of Zoology of Gangaon 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



Signature of Guide
Dept. of Zoology
Gangaon College.


Signature of HOD
Dept. of Zoology
Gangaon 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 'Acahis 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:


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 supervision. It is undertaken as a part of practical syllabus prescribed by Dibrugarh University.


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

CERTIFICATE


This is to certify that Sri Nitunaj Phukon, 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 B.Sc 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 Aparajita Baruah, the student of B.Sc 1st semester, Department of Zoology of Gargoon 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
Gargoon College
Simalaguri (Assam)


Signature of HOD
Dr. Rina Handique
Head of Department
Zoology Department
Gargoon College
Simalaguri (Assam)


Examiner

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
Jangraon 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
Jangraon College




Signature of HOD
Dept. of Zoology
Jangraon 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


14/05/2023


Signature of HOD
Dept. of Zoology
Gargaon College

CERTIFICATE

This is to certify that Jyoteshmote Hrudan a student of B.Sc 1st semester Dept. of Zoology of Gargan College bearing Roll no GCBC020008 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 Vidyaarach University.



Signature of Guide
Dept. of Zoology
Gargan college



6/11/21



Signature of HOD
Dept. of Zoology
Gargan college

CERTIFICATE

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

[Signature]
Signature of guide

Dept. of Zoology
Gargoon College
Date:

[Signature]
Signature of HOD

Dept. of Zoology
Gargoon College
Date:

[Signature]
(11/11/21)

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 of guide
Dept. of Zoology
Gargaon College

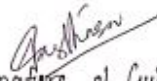
Date: _____


Signature
11/11/20

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

CERTIFICATE

This is to certify that Meetal Buxagohain, 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. Purnali 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 GCB2020005 and Registration no S2006907 has successfully completed the 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 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 Garigaon 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
10/11/2023


Signature of Guide
Dept. of zoology
Garigaon college


Signature of HOD
Dept. of zoology
Garigaon college.