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 Euglena viridis"
B.Sc. Zoology (Honours)	1st Sem CBCS (H)	Project Work	ZC101P	2021	Simanchal Handique	3	"Project On Life Cycle of Plasmodium vivax"
B.Sc. Zoology (Honours)	1st Sem CBCS (H)	Project Work	ZC101P	2021	Rongpi Konwar	4	"Life Cycle and Pathogenicity of Fasciola hepatica"
B.Sc. Zoology (Honours)	1st Sem CBCS (H)	Project Work	ZC101P	2021	Payal Ghosh	4	"Life Cycle and Pathogenicity of Wuchereria bancrofti"
B.Sc. Zoology (Honours)	1st Sem CBCS (H)	Project Work	ZC101P	2021	Tabassum Ahmed	3	"Life Cycle and Pathogenicity of Wuchereria bancrofti"
B.Sc. Zoology (Honours)	1st Sem CBCS (H)	Project Work	ZC101P	2021	Ankur Gogoi	5	"Metagenesis in Obelia -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 Entamoeba histolytica"
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 Paramecium"
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 Ascaris lumbricoides"
B.Sc. Zoology (Honours)	1st Sem CBCS (H)	Project Work	ZC101P	2021	Riya Devi	5	"Life Cycle and Pathogenicity of Taenia solium"

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

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

PRACTICALS (Credits 2)

- Study of whole mount of Euglena, Amoeba and Paramecium, Binary fission and Conjugation in Paramecium
- 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
- Identification of museum specimen: Obelia, Physalia, Millepora, Aurelia, Tubipora, Corallium, Alcyonium, Gorgonia, Metridium, Pennatula, Fungia, Meandrina, Madrepora and One specimen/slide of any ctenophore
- Study of adult Fasciola hepatica, Taenia solium and their life cycles (Slides/microphotographs)
- 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. Il Edition, E.L.B.S. and Nelson

This to certify that Miss techawan Doley a student of Bis 1st Semester Dept. of Zoology has carried and this project exeposed Entitled "Sturctural organization and nutrition in England Viridis" under my guidance and Supervision. It is under taken as a part of practical syllabus prescuibed by Dibruganh envirousity.

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This is to centify that I Simonchal Hardigue, the student of B.Sc. Ist Semster allepartment of zoology of Garyoon Callege has successfully carnied act this project cubric on entitled "Life cycle of Plasmodium nivax" under my guidance and carpervision. It is under taken as a part of practical Syllabus passeribed uby Sibreeganh University.

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This is to restly that Renge Konwar, obedent of 13. Se Ist semester, 200 logy adept Gargaen Cellege besting Rell no. and Registration no. 302006948 has completed the project repeat on dife eyels of Forciela hapatica and its pathogenisty for the partial fulfilment of cyllabors of payors Towntobrates 200 logy, all brugash University

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This is to cally that Payal Ghosh, student of BSc 1st demater Dept of Koology Gargaian Callege Barring Roll
160 OCB 2020133 and Registration numbers 20006 are had done the project report on the cycle and pathogenicity of Hudereria Bonoloft "on 08th December 2000 for the partial fulfilment of Gyllabur of paper Invente BRATES Koology major Dibrugach Criverity.

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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 seminer 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

This is to country that, I Ratul Borah of B.Sc Ist Semester. tro buter Department of zoology of Grangaon College successfully carried out this project on entitled "Libe cycle And MORE Pathogenially of Ascaris Lumbracoides! my guidance and Supervisions. under 8t is under taken as a part of practical Sollabus posocibed by Dibrugarh University.

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the student of B.Sc. Zoology depostment of Goognam College toes carried out this peroject work entitled "CAMAR SYSTEM IN SPONGES" under my quidance and supervisions It is undertaken as a pool of ponetical syllabus personibed by Dibougesh University.

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This is to certify that I Liza Mohan the Student of Bob. 1st Semester. Department of Zoology of Gargaon college has burebyfully convied out this Project work on extitled "Situatural organization and mode of Nutrition in Paramerium". under my guidance and Supervisions. It is under taken as a part of functical Byllabus Pescuibed by Dibrugarh University.

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This is to surefy that Mis Surraya Hussain, Student of BSC 1 the semester Dept. of Zoology Jargaon College Bearing Roll No. 297 Registration number 206874 had done the project suport on "POLYMORPHISM IN COELENTERATE" on 26 ×4

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

Signature of guide
Dept of Zoology
Gargaon College
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Signature of HOI Dept of Zoology Yargaon college Date:

This is to sentify that Miss Dipikha borah, a student of B. Sc 1st semester Dept. of Zoology, Gangaon college bearing Roll... No.... Kigistration number \$2006849 had done the project report on 'Acronis lumbricaides' on 26th December 2020 for the partial fulfilment of eighbours of paper INVERTEBRATES, Zoology major Dibrugarh University.

Signature of guide Dept. of Zoology Gargaer College Date: Signature of MOD Dept. of Zoology Garegaan college Date:

This is to certify that Miss Rija Deni, the student of First Senester from Department of Zoology of Gargaon College has successfully coarried out this project work entitled, "Life cycle and pathogenicity of Jaconia Solium (Pork Japuvonem) under my quidance and eupervisions. It is under taken as a part of practical syllakus prescribed by Sibrugarh University.

Dr. Rina Handique Head of the Department Zoology Xlepartment Gargaon College Limahiguri, Livasagar Acsam.

This is to certify that Sri Nituraj Phukon, estudent of BSE 16t Bemeister Dept. of Zoology, Grangaon college. bearing Rall:

NO: Regis. NO: \$2006917 had done the praject report on "Palymorphism in Unideria" on 26th December for the partial fulfilment explabus of laper Inventibrates, Zoology Major, Dibrugarh University.

Signature q guide Dept. of zoology Gargaon college Date:

Sipprature q HOC Dept. of zoology Gargason College Date:

This is to certify that Aparajita Baruah, the student of B. Sc Ist semester Prepartment of Toology of Gargaon College has successfully carnied out this project work entitled "BASAC CONCEPTS OF PORTFERA AND INS REPRODUCENCE System" under my quidance and supervisions. It is andertake as a part of practical syllabus prescribed by Pibrugarch University.

Signature of Guide

Phr. Pimily Langtsasa

Roology Department

Gargaen/College

Simuluguri (Assum)

Signatura of HOP
Nr. Rina Hardique
Head of Pepartment
Teology Pepartment
Gargaon College
Simaluguri (Assorn)

Levin Land

This is to certify that Priyakhi Dutta a vitudent of B.Sc 1st semerter dept. of 300logy of Grangaon callege bearing Roll no: 108 and reg. no. \$2006934 has successfully completed the project during the year 2020-2021 in partial fulfillment of 300logy practical. It is under taken as a part of practical syllabus prescribed by Dibruganh University.

Gargaon college

Signature of HOD Dept. of 300logy

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This is to centify that Min Anathana Bonah the student of B.S. Zoology department of Gangaon College has Carried out this fraject work entitled "Spicules IN Sponges" wonder my quidance and supervisions. It is undertaken as a fact of Egrached eyelakus freschibed by Dishugarh Kniversity

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This is to certify that I tyotika Buragohain, is shident of B.Se Ist Semewhere Dept of zoology, brangaon vollege has carnied the project work entitled "Etructural organisation and mode of nutrition in Amorta under my quidance and supervision. It is under taken as a part of practical syllabus presented by Dibrugarch University.

Signature of Guide Dept. of zoology Gargaon college

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Signature of HOD Dept. of Zoology Gurgaon College

This is to certify that yeteshoots Phukan a student of D. Sc 1rd semester slept. of Zoology of Gargeon College booring Roll no <u>GCB2020082</u> and Registration no <u>S2006871</u> has successfully completed the project during the year 2020-2021 in partial fulfillment of Zoology practical. It is writer taken as a part of practical syllabus prescrited by Sibrugosh Virtuostity

Bignature of Luide Lept. of Zoology Georgeon college

Signature of \$10D Stept of Zoology Gargaen cellage

This is to certify that Miss Luna Deone, student of BSe 1st semester Dept of Zoology hangeon callege Bearing Roll. No figureation number \$20,06887 had done the project report on Canal System in Sponges on 26 the Desember 2020 for the partial fulfilment of syllabus of paper INVERTEBRATES, Zoology major Dibrugarh University.

Signature of guide Signature of HOD

Dept of Zoology

Georgeon. Callege Georgeon College

Date:

Certificate This is to certify that Miss Higamon Deore, Student of B. Sc 1st - Senester dept. of Zoology, Gargaon college Bearing RoU_____No: ____ Registration number S2006887 lad done the Project report on "Chidaria characteristies and classification on 25th December 2620 for the Partial feelfillment of syllabers of paper Invertebrates Zoology major, Dibrugarh university. Date: Date:

This is to certify that Meetals 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 supervisions. It is under faken as a part of presented syllabus prescribed by Dibruganh University.

Signature of Guide Mrs. Pirrily Langthese Zoology Department Gargaon Callege Simalugueri (Assam) Signature of HOD odn. Rina Handique Head of Department Zoology Department Gangaon College Simaluguri (Assam).

This is to certify that Najnin Ahmed a Student of BSC 151 semester Dept. of Zoology of Gargaon College bearing Roll No GCB 2020005 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 pescribed by Dibrugarh University.

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Signature of HOD Sept. of zoology Georgeon College

This is to certify that I Pallavi Tasha, the student of B.Sc. 1st Semestere, Department of Zoology of Georgeon College has successfully carried out this project work on entitled "Streetural Organisation and Netrition in Euglena" under my guidance and supervisions. It is under taken as a part of practical syllabus pescribed by Dibrugarh University.

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