



গড়গাঁও মহাবিদ্যালয়  
GARGAON COLLEGE  
NAAC accredited with 'B' Grade

**Course Distribution among Faculty  
Members of Different  
Departments  
Sample Documents  
2022-2023**



গড়গাঁও মহাবিদ্যালয়  
GARGAON COLLEGE  
NAAC accredited with 'B' Grade

## DEPARTMENT OF ASSAMESE

পঞ্চম সাক্ষাৎসিক  
কাৰ্যত-৫-১  
২০২২

অসমীয়া নাটক: ASSAMESE DRAMA জুলাই-ডিচেম্বৰ

লগাট	বিষয়	শ্ৰেণী	নম্বৰ	নিয়ন্ত্ৰণ নং	স্বাক্ষৰ
লগাট-১	অসমীয়া নাট্য সংহিতা: সংক্ষিপ্ত ইতিহাস	১৪	১৬	প্ৰথম দুবছৰ	প্ৰশান্ত
লগাট-২	পুৰণি অসমীয়া নাটক বসন্তীয়া হৰণ (স্বাক্ষৰ হেৰ)	১০	১৬	প্ৰথম দ্বি-বছৰীয়া	প্ৰশান্ত
লগাট-৩	আধুনিক অসমীয়া নাটক(ক) গাঁওবুঢ়া (পাণ্ডিত্য বৰুৱা)	২০	২৪	দ্বিতীয় দ্বি-বছৰীয়া	
	মতিগো (জ্যোতিপ্ৰসাদ অচাৰ্যৰ কাব্য)			দ্বিতীয় বৰ্ষাবধি	
লগাট-৪	আধুনিক অসমীয়া নাটক(খ)	২০	২৪		
	কুকুৰভেটীয়া মানুহ (অৰুণ শৰ্মা) বিনটো পজনটো (সোণেশ্বৰ কলিতা)	২০	২৪	প্ৰথম দুবছৰ	প্ৰশান্ত

পঞ্চম সাক্ষাৎসিক (মেম্বৰ)  
কাৰ্যত-৫-২  
২০২২

অসমীয়া সংহিতা ব্ৰহ্মীয়া (জুলাই-ডিচেম্বৰ)

লগাট	বিষয়	শ্ৰেণী	নম্বৰ	নিয়ন্ত্ৰণ নং	স্বাক্ষৰ
লগাট-১	আধুনিক অসমীয়া সংহিতা পটভূমি	২২	২২	১ম অধ্যায়	প্ৰশান্ত
লগাট-২	আধুনিক অসমীয়া ভাষা- সংহিতা (অৰুণাচলীয়া স্বৰূপ, হেমচন্দ্ৰ-সুন্দৰাম স্বৰূপ)	২২	২৬	প্ৰথম দুবছৰ	প্ৰশান্ত
লগাট-৩	জোনাকী আৰু উত্তৰ জোনাকী কুৰুৰ সংহিতা (জোনাকী, বাঁহী, আৰাহন, জেহাজী পৰ্বত)	২৮	২০	প্ৰথম দ্বি-বছৰীয়া	প্ৰশান্ত
লগাট-৪	বামৰেঙৰ ব্ৰহ্মীয়া অসমীয়া সংহিতা: পটভূমি আৰু বৈশিষ্ট্য	১২	২৪	দ্বিতীয় বৰ্ষাবধি	
লগাট-৫	সাম্প্ৰতিক কালৰ অসমীয়া সংহিতা পটভূমি (কবিতা, গল্প, নাটক, গীত সংহিতা)	১৬	২৬	নীলমণি ব্ৰহ্মচাৰ্য	

৬ষ্ঠ সাক্ষাৎসিক  
কাৰ্যত-৫-৫  
২০২২

অসমীয়া সংহিতা (জুলাই-ডিচেম্বৰ)

লগাট	বিষয়	শ্ৰেণী	নম্বৰ	নিয়ন্ত্ৰণ নং	স্বাক্ষৰ
লগাট-১	সংহিতাৰ সংজ্ঞা সংহিতাৰ শ্ৰেণীবিভাগ	১৪	১৬	প্ৰথম দ্বি-বছৰীয়া	প্ৰশান্ত
লগাট-২	সংহিতাৰ সংজ্ঞা আৰু স্বৰূপ সংহিতাৰ অধ্যয়নীয় গ্ৰন্থ সংহিতা সংহিতাৰ পদ্ধতি (ঐতিহাসিক, বিজ্ঞানসন্মত, ধৰ্মসন্মত)	১৬	২০	দ্বিতীয় বৰ্ষাবধি	
লগাট-৩	বিভিন্ন সংহিতাৰ কাল (প্ৰথম) সংজ্ঞা আৰু স্বৰূপ (ক) কবিতা, নাটক, অধ্যয়নীয়	২০	২২	প্ৰথম দুবছৰ	প্ৰশান্ত
লগাট-৪	বিভিন্ন সংহিতাৰ কাল (দ্বিতীয়) সংজ্ঞা আৰু স্বৰূপ (খ) উপন্যাস, চুটি গল্প, লম্বা গল্প	২০	২২	১ম অধ্যায়	প্ৰশান্ত

৬ষ্ঠ সাক্ষাৎসিক  
কাৰ্যত-৫-৬  
২০২২

অসমীয়া কবিতাৰ চানেকি (জুলাই-ডিচেম্বৰ)

লগাট	বিষয়	শ্ৰেণী	নম্বৰ	নিয়ন্ত্ৰণ নং	স্বাক্ষৰ
লগাট-১	অসমীয়া কবিতাৰ সংক্ষিপ্ত ইতিহাস	১৮	১৬	প্ৰথম দ্বি-বছৰীয়া	প্ৰশান্ত
লগাট-২	অসমীয়া কবিতাৰ কাল (ক) ঐতিহাসিক (খ) আধুনিক কাল	২৮	১৪	প্ৰথম দুবছৰ	প্ৰশান্ত
লগাট-৩	প্ৰথম অসমীয়া কবিতা চৰ্চনা	৬	১০	১ম অধ্যায়	প্ৰশান্ত
লগাট-৪	পুৰণি অসমীয়া কবিতা (ক) মাৰ্বৰ কালৰ গীতমালা (খ) বৰ্তমানীয়া (স্বাক্ষৰ হেৰ) (গ) নামলোকা (ঘ) ভৈৰৱী কবিতা (শ্ৰীকান্ত কবি)	১৪	২০	নীলমণি ব্ৰহ্মচাৰ্য	
লগাট-৫	আধুনিক কালৰ অসমীয়া কবিতা (ক) সাধুৰী (চন্দ্ৰকান্ত অচাৰ্যৰ কাব্য) (খ) ইয়াত নদী অসমীয়া (বৰুৱা বৰুৱা) (গ) গুৰুত্বপূৰ্ণ অসমীয়া কবিতাৰ মূল (বিশ্বনাথ শৰ্মা) (ঘ) চন্দ্ৰীয়া নদীৰ কাব্য (সোণেশ্বৰ কলিতা) (ঙ) হৰ্ষাৰ কাব্য (সোণেশ্বৰ কলিতা)	১৪	২০	দ্বিতীয় বৰ্ষাবধি	



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### DEPARTMENT OF ASSAMESE

২০২২					
৫৪৫১		দ্বিতীয় বাণ্যাসিক কাৰত-৫৭		২০২২	
অসমৰ সংস্কৃতি অধ্যয়ন (জুলাই-ডিচেম্বৰ)					
ক্রমিক	বিষয়	শ্ৰেণী	নম্বৰ	শিক্ষকৰ নাম	স্বাক্ষৰ
০০১	সংস্কৃতিৰ সাহিত্য, নৃত্য আৰু উপস্থাপনা, সংস্কৃতি অধ্যয়ন মঞ্চ	১৬	২৬	শ্ৰীমান মহেশ্বৰী	শ্ৰীমান দেবিনন্দ
০০২	অসমৰ বংশোদ্ভূত পৰিচয় অসমীয়া সংস্কৃতি সম্বন্ধত বিভিন্ন স্থানীয় সংস্কৃতি অধ্যয়ন	১৬	২৬	শ্ৰীমান মুন্স	শ্ৰীমান দেবিনন্দ
০০৩	অসমৰ বিভিন্ন জনগোষ্ঠীৰ সংস্কৃতিৰ আৰু কেন্দ্ৰীয় নিৰ্মিত স্থানীয় শিল্প: শিল্পৰ অধ্যয়ন	১৬	২৬	-	শ্ৰীমান দেবিনন্দ
০০৪	পৰম্পৰাগত অসমৰ আৰু অসম-অসম (নিৰ্মিত স্থানীয় বংশোদ্ভূত) শিল্প	১৬	২৬	শ্ৰীমান	শ্ৰীমান দেবিনন্দ
০০৫	অসমৰ স্থাপত্য-শিল্প	১৬	২৬	ড. অক্ষয়	শ্ৰীমান দেবিনন্দ

২০২২					
৫৪৫১		পঞ্চম বাণ্যাসিক কাৰত-৫৭		২০২২	
অসমীয়া নাটক ASSAMESE DRAMA (জুলাই-ডিচেম্বৰ)					
ক্রমিক	বিষয়	শ্ৰেণী	নম্বৰ	শিক্ষকৰ নাম	স্বাক্ষৰ
০০১	অসমীয়া নাটক ইতিহাস	১৬	২৬	শ্ৰীমান	শ্ৰীমান দেবিনন্দ
০০২	পুৰণি অসমীয়া নাটক বৰ্ষোদ্ভূত হৰণ (শ্ৰীমান)	১৬	২৬	শ্ৰীমান	শ্ৰীমান দেবিনন্দ
০০৩	আধুনিক অসমীয়া নাটক শান্তি (শ্ৰীমান)	১৬	২৬	শ্ৰীমান	শ্ৰীমান দেবিনন্দ
০০৪	আধুনিক অসমীয়া নাটক (শ্ৰীমান)	১৬	২৬	শ্ৰীমান	শ্ৰীমান দেবিনন্দ
০০৫	আধুনিক অসমীয়া নাটক (শ্ৰীমান)	১৬	২৬	শ্ৰীমান	শ্ৰীমান দেবিনন্দ
০০৬	আধুনিক অসমীয়া নাটক (শ্ৰীমান)	১৬	২৬	শ্ৰীমান	শ্ৰীমান দেবিনন্দ
০০৭	আধুনিক অসমীয়া নাটক (শ্ৰীমান)	১৬	২৬	শ্ৰীমান	শ্ৰীমান দেবিনন্দ

২০২২					
৫৪৫১		পঞ্চম বাণ্যাসিক কাৰত-৫৭		২০২২	
অসমীয়া ভাষাৰ ব্যাকৰণিক অধ্যয়ন (জুলাই-ডিচেম্বৰ)					
ক্রমিক	বিষয়	শ্ৰেণী	নম্বৰ	শিক্ষকৰ নাম	স্বাক্ষৰ
০০১	অসমীয়া ভাষাৰ পৰিচয়, উপস্থাপনা আৰু পৰিচয়	১৬	২৬	শ্ৰীমান	শ্ৰীমান দেবিনন্দ
০০২	অসমীয়া ভাষাৰ পৰিচয় আৰু পৰিচয়	১৬	২৬	শ্ৰীমান	শ্ৰীমান দেবিনন্দ
০০৩	অসমীয়া ভাষাৰ পৰিচয় আৰু পৰিচয়	১৬	২৬	শ্ৰীমান	শ্ৰীমান দেবিনন্দ
০০৪	অসমীয়া ভাষাৰ পৰিচয় আৰু পৰিচয়	১৬	২৬	শ্ৰীমান	শ্ৰীমান দেবিনন্দ
০০৫	অসমীয়া ভাষাৰ পৰিচয় আৰু পৰিচয়	১৬	২৬	শ্ৰীমান	শ্ৰীমান দেবিনন্দ

২০২২					
৫৪৫১		পঞ্চম বাণ্যাসিক কাৰত-৫৭		২০২২	
অসমীয়া ভাষাৰ ব্যাকৰণিক অধ্যয়ন (জুলাই-ডিচেম্বৰ)					
ক্রমিক	বিষয়	শ্ৰেণী	নম্বৰ	শিক্ষকৰ নাম	স্বাক্ষৰ
০০১	অসমীয়া ভাষাৰ পৰিচয় আৰু পৰিচয়	১৬	২৬	শ্ৰীমান	শ্ৰীমান দেবিনন্দ
০০২	অসমীয়া ভাষাৰ পৰিচয় আৰু পৰিচয়	১৬	২৬	শ্ৰীমান	শ্ৰীমান দেবিনন্দ
০০৩	অসমীয়া ভাষাৰ পৰিচয় আৰু পৰিচয়	১৬	২৬	শ্ৰীমান	শ্ৰীমান দেবিনন্দ
০০৪	অসমীয়া ভাষাৰ পৰিচয় আৰু পৰিচয়	১৬	২৬	শ্ৰীমান	শ্ৰীমান দেবিনন্দ
০০৫	অসমীয়া ভাষাৰ পৰিচয় আৰু পৰিচয়	১৬	২৬	শ্ৰীমান	শ্ৰীমান দেবিনন্দ





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## DEPARTMENT OF BOTANY




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P.O. SIMALUGURI, PIN : 785 686, DIST. SIVASAGAR (ASSAM)

### COURSE DISTRIBUTION (Odd Sem)

Name of the Teacher: Dr. Dimbeshwar Das (HoD)

Sl. No.	Semester	Subject	Stream	Paper Code	Unit
1	I	Microbiology and Phycology	HONS.	C 1	Unit 4: Algae Unit 5: Cyanophyta, Chlorophyta, Xanthophyta and Charophyta Unit 6: Phaeophyta and Rhodophyta
		Biomolecules and Cell Biology	HONS.	C 2	Unit 4: The Cell Unit 5: Cell Wall and Plasma Membrane Unit 6: Cell Organelles Unit 7: Cell Division
2	III	Genetics	HONS.	C 7	Unit 1: Mendelism Genetics and its Extension Unit 2: Extrachromosomal Inheritance Unit 3: Linkage, Crossing Over and chromosome mapping Unit 4: Variation in chromosome number and structure
		Basics of Vermicomposting	HONS.	SEC 1.1	Unit 1: Introduction to vermiculture Unit 2: The species of earthworms Unit 3: Biology of earthworms
3	V	Analytical Techniques in Plant Sciences	HONS.	DSE 1	Unit 1: Imaging and related techniques Unit 2: Cell fractionation Unit 3: Radioisotopes Unit 4: Spectrophotometry Unit 5: Chromatography Unit 6: Characterization of proteins and nucleic acids Unit 7: Biostatistics

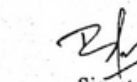
  
Signature of Head  
Head  
Department of Botany  
Gargaon College, Simaluguri  
Dist. Sivasagar, Pin 785686, Assam



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Name of the Teacher: Mrs. Sangeeta Chetia (Assistant Professor)

Sl. No.	Semester	Subject	Stream	Paper Code	Unit
1	I	Microbiology and Phycology	HONS.	C 1	Unit 1: Introduction to Bacterial World Unit 2: Bacteria Unit 3: Viruses
		Biodiversity (Microbes, Algae, Fungi and Archegoniate)	GE	GE 1	Unit 1: Microbes Unit 2: Algae Unit 3: Fungi Unit 4: Lichen
2	III	Anatomy of Angiosperms	HONS.	C 5	Unit 1: Introduction and scope of Plant Anatomy Unit 2: Structure and development of plant body Unit 3: Tissues
		Economic Botany	HONS.	C 6	Unit 1: Origin of cultivated Plants Unit 2: Cereals Unit 3: Legumes Unit 4: Sources of sugar and starches Unit 5: Spices Unit 6: Beverages Unit 7: Sources of oils and fats Unit 8: Natural rubber Unit 9: Drug yielding plants Unit 10: Timber plants Unit 11: Fibres Unit 12: Aromatic and Petrocrops
3	V	Plant Anatomy and Embryology	GE	GE 3	Unit 3: Secondary Growth Unit 4: Adaptive and protective systems Unit 7: Embryo and endosperm Unit 8: Apomixis and polyembryony
		Plant Physiology	HONS.	C 12	Unit 1: Plant water relations Unit 2: Mineral nutrition Unit 3: Nutrient uptake Unit 4: Translocation in the phloem Unit 5: Plant Growth regulators Unit 6: Physiology of flowering Unit 7: Phytochromes, Cryptochromes and phototropins

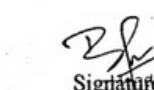
  
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Head  
Department of Botany  
Gargaon College, Simaluguri  
Dist. Sivasagar, Pin 785686, Assam



DEPARTMENT OF BOTANY  
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Name of the Teacher: Miss Sandeepa Agarwalla (Assistant Professor)

Sl. No.	Semester	Subject	Stream	Paper Code	Unit
1	I	Microbiology and Phycology	HONS.	C 1	Unit 4: Algae Unit 5: Cyanophyta, Chlorophyta, Xanthophyta and Charophyta Unit 6: Phaeophyta and Rhodophyta
		Biomolecules and Cell Biology	HONS.	C 2	Unit 1: Biomolecules Unit 2: Bioenergetics Unit 3: Enzymes
		Biodiversity (Microbes, Algae, Fungi and Archegoniate)	GE	GE 1	Unit 5: Introduction to Archegonates Unit 6: Bryophytes Unit 7: Pteridophytes Unit 8: Gymnosperms
2	III	Anatomy of Angiosperms	HONS.	C 5	Unit 4: Apical Meristem Unit 5: Vascular cambium and Wood Unit 6: Adaptive and Protective system
		Genetics	HONS.	C 7	Unit 5: Fine Structure of Gene Unit 6: Gene Mutations Unit 7: Population and Evolutionary Genetics
		Plant Anatomy and Embryology	GE	GE 3	Unit 1: Meristematic and permanent tissues Unit 2: Organs Unit 5: Structural organization of flowers Unit 6: Pollination and fertilization
3	V	Reproductive Biology of Angiosperms	HONS.	C 11	Unit 1: Introduction Unit 2: Reproductive development Unit 3: Anther and Pollen Biology Unit 4: Ovule Unit 5: Pollination and fertilization Unit 6: Self incompatibility
		Bioinformatics	HONS.	DSE 2	Unit 1: Introduction to Bioinformatics Unit 2: Databases in Bioinformatics Unit 3: Biological Sequence Databases Unit 4: Sequence Alignments Unit 5: Molecular Phylogeny Unit 6: Applications of Bioinformatics

  
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## DEPARTMENT OF BOTANY



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### COURSE DISTRIBUTION (Even Sem)

Name of the Teacher: Dr. Dimbeshwar Das (HoD)

Sl. No.	Semester	Subject	Stream	Paper Code	Unit
1	II	Mycology and Phytopathology	HONS.	C 3	Unit 6: Phytopathology
		Archegoniate	HONS.	C 4	Unit 1: Introduction Unit 2: Bryophytes Unit 3: Type Studies-Bryophytes Unit 6: Fossil Plants
2	IV	Molecular Biology	HONS.	C 8	Unit 1: Nucleic Acids: Carriers of genetic information Unit 2: The structure of DNA and RNA Unit 3: The replication of DNA
		Plant Systematics	HONS.	C 10	Unit 1: Significance of Plant systematics Unit 3: Morphology and Botanical nomenclature Unit 7: Major families of Angiosperms
		Vermicompost Technology	HONS.	SEC 1.2	Unit 1: Small scale Vermicomposting Unit 2: Nutritional composition of vermicompost Unit 3: Identification of Earthworms, Preparation, packaging of Vermicompost
3	VI	Plant Biotechnology	HONS.	C 14	Unit 1: Plant Tissue Culture Unit 5: Applications of Biotechnology
		Plant Breeding	HONS.	DSE 3	Unit 1: Plant Breeding Unit 2: Methods of crop improvement Unit 3: Quantitative inheritance Unit 4: Inbreeding depression and heterosis Unit 5: Crop improvement and breeding
		Biostatistics	HONS.	DSE 4	Unit 1: Biostatistics Unit 2: Collection of data primary and secondary Unit 3: Measures of central tendency Unit 4: Correlation Unit 5: Statistical inference

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Name of the Teacher: Mrs. Sangeeta Chetia (Assistant Professor)

Sl. No.	Semester	Subject	Stream	Paper Code	Unit
1	II	Mycology and Phytopathology	HONS.	C 3	Unit 1: Introduction to Fungi Unit 2: Chytridiomycota, Zygomycota, Ascomycota and Basidiomycota Unit 3: Allied Fungi and Oomycota
		Plant Physiology and Metabolism	GE	GE 2	Unit 4: Photosynthesis Unit 5: Respiration Unit 8: Plant growth regulators Unit 9: Plant response to light and temperatures
2	IV	Plant Ecology & Phytogeography	HONS.	C 9	Unit 1: Introduction Unit 2: Soil Unit 4: Population Ecology
		Plant Systematics	HONS.	C 10	Unit 2: Taxonomic hierarchy Unit 4: Systems of classification Unit 5: Biometrics, numerical taxonomy and cladistics Unit 6: Phylogeny of Angiosperms
		Plant Ecology and Taxonomy	GE	GE 4	Unit 1: Introduction Unit 2: ecological factors Unit 3: Plant communities Unit 9: Taxonomic hierarchy Unit 10: Botanical Nomenclature Unit 11: Classification
3	VI	Plant Metabolism	HONS.	C 13	Unit 1: Concept of metabolism Unit 2: Carbon assimilation Unit 3: Carbohydrate metabolism Unit 4: Carbon Oxidation

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Name of the Teacher: Miss Sandeepa Agarwalla (Assistant Professor)

Sl. No.	Semester	Subject	Stream	Paper Code	Unit
1	II	Mycology and Phytopathology	HONS.	C 3	Unit 4: Symbiotic Association Unit 5: Applied Mycology
		Archegoniate	HONS.	C 4	Unit 4: Pteridophytes Unit 5: Gymnosperms
		Plant Physiology and Metabolism	GE	GE 2	Unit 1: Plant water relations Unit 2: Mineral Nutrition Unit 3: Translocation in phloem Unit 6: Enzymes Unit 7: Nitrogen Metabolism
2	IV	Molecular Biology	HONS.	C 8	Unit 4: Central Dogma and Genetic Code Unit 5: Transcription Unit 6: Processing and modification of RNA Unit 7: Translation
		Plant Ecology & Phytogeography	HONS.	C 9	Unit 3: Biotic Interaction Unit 5: Plant Communities Unit 6: Ecosystem: Structure and Function Unit 7: Phytogeography
		Plant Ecology and Taxonomy	GE	GE 4	Unit 4: Ecosystem Unit 5: Phytogeography Unit 6: Introduction to plant taxonomy Unit 7: Identification Unit 8: Taxonomic evidences from palynology, cytology, phytochemistry and molecular data Unit 12: Biometrics, Numerical taxonomy and cladistics
3	VI	Plant Metabolism	HONS.	C 13	Unit 5: ATP-Synthesis Unit 6: Lipid metabolism Unit 7: Nitrogen metabolism Unit 8: Mechanisms of signal transduction
		Plant Biotechnology	HONS.	C 14	Unit 2: Recombinant DNA technology Unit 3: Gene Cloning Unit 4: Methods of gene transfer

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Dist. Sivasagar, Pin: 785686 Assam



## DEPARTMENT OF CHEMISTRY

### Course distribution of odd semester, 2022-23

#### C1 Inorganic Chemistry

Faculty name	Semester	Paper Code	Unit wise division	
Dr. Pakiza Begum	I	H	C-101	Unit I: Atomic Structure Unit II: Periodicity of Elements Unit IV: Oxidation-Reduction
			C-101-LAB	(A) Titrimetric Analysis (B) Acid-Base Titrations (C) Oxidation-Reduction Titrimetry.
	GE	GE	GE-101	Unit I: Atomic Structure
			GE-101 Lab	Section A: Inorganic Volumetric Analysis
	III	H	C-301	Unit I: General Principles of Metallurgy Unit II: Acids and Bases Unit IV: Noble Gases Unit V: Inorganic Polymers
			C-301-LAB	A. Iodo/Iodimetric Titrations B. Inorganic preparations
	GE	V (H)	N/A	N/A
			DSE-501	Unit I: Qualitative and quantitative aspects of analysis Unit II: UV-Visible and IR Spectrometry Determination of dissolved oxygen in Water: Chromatographic separations
	DSE-501-Lab	DSE-502	DSE-502	Unit I: Introduction to Green Chemistry Unit II: Principles of Green Chemistry and Designing a Chemical synthesis (points (i) and (ii))
				C-101
Dr. Plaban Jyoti Sarma	I	H	C-101	Unit II: Periodicity of Elements
			C-101-LAB	(A) Titrimetric Analysis (B) Acid-Base Titrations (C) Oxidation-Reduction Titrimetry.
	GE	GE	GE-101	Unit I: Atomic Structure
			GE-101 Lab	Section A: Inorganic Volumetric Analysis
	III	H	C-301	Unit III: Chemistry of s and p block elements
			C-301-LAB	A. Iodo/Iodimetric Titrations B. Inorganic preparations
	GE	V (H)	N/A	N/A
			DSE-501	Unit III: Thermal methods of analysis Unit IV: Electro-analytical methods Unit V: Separation techniques Determination of dissolved oxygen in Water: Chromatographic separations
	DSE-501-Lab	DSE-502	DSE-502	Unit I: Introduction to Green Chemistry Unit II: Principles of Green Chemistry and Designing a Chemical synthesis (points (i) and (ii))

#### C2 Organic Chemistry

Faculty name	Semester	Paper Code	Unit wise division	
Dr. Arando Nazary	I	H	N/A	
			GE	Unit IV: Stereochemistry Unit V: Aliphatic Hydrocarbons
			GE-101	Detection of characterized element (N, S, Cl, Br, I)

#### C2 Organic Chemistry

Faculty name	Semester	Paper Code	Unit wise division	
Dr. Arando Nazary	I	H	N/A	
			GE	Unit IV: Stereochemistry Unit V: Aliphatic Hydrocarbons
	III	H	C-302	Detection of characterized element (N, S, Cl, Br, I) in an organic compound, Separation of mixtures by Chromatography
			C-302-LAB	Unit I: Chemistry of Halogenated Hydrocarbons, Unit III: Carbonyl Compounds
	GE	V (H)	GE-101	Unit I, II, III: Functional group analysis
			GE-101-Lab	Unit-VII, VIII Unit-II
	C-501	C-501-Lab	C-501	Unit I: Nucleic Acids Unit II: Amino Acids, Peptides and Proteins Unit IV: Lipids Unit V: Disconnection approach in Organic Synthesis
				C-501-Lab
	Mr. Rituraj Tabu	I	H	N/A
				GE
III		H	GE-101 Lab	Detection of characterized element (N, S, Cl, Br, I) in an organic compound, Separation of mixtures by Chromatography
			C-302	Unit-II: Alcohols, Phenols, Ethers and Epoxides IV: Carboxylic Acids and their Derivatives
GE		V (H)	C-302-lab	IV: Sulphur containing compounds: Unit -I, II, III Functional group analysis
			GE-301	Unit-V: Carboxylic acid VI: Amine and diazonium salt
C-501		C-501-Lab	C-501	Unit-II: Organic analysis Unit-III: Enzymes VI: Pharmaceutical compounds: structure and importance
				C-501-Lab

#### C3 Physical Chemistry

Faculty name	Semester	Paper Code	Unit wise division		
Dr. Anna Gogoi	I	H	C-102	Unit-II (Liquid State)	
			C-102 Lab	Unit-IV (Ionic Equilibrium) Practical	
	III	H	GE	N/A	
			C-303	Unit II (Chemical Kinetics)	
	GE	V (H)	C-303-lab	Practical	
			GE-301	Unit-3 (Conductance)	
	C-502	C-502-Lab	C-502	Practical	
				C-502-Lab	Unit-II (Molecular Spectroscopy) Practical
	Dr. Saheen Shehnaz Begum	I	H	C-102	Unit 1: Gaseous State Unit 3: Solid State
				GE	N/A
C-303				Unit 1: Phase equilibria Unit 3: Catalysis	

#### C3 Physical Chemistry

Faculty name	Semester	Paper Code	Unit wise division		
Dr. Anna Gogoi	I	H	C-102	Unit-II (Liquid State)	
			C-102 Lab	Unit-IV (Ionic Equilibrium) Practical	
	III	H	GE	N/A	
			C-303	Unit II (Chemical Kinetics)	
	GE	V (H)	C-303-lab	Practical	
			GE-301	Unit-3 (Conductance)	
	C-502	C-502-Lab	C-502	Practical	
				C-502-Lab	Unit-II (Molecular Spectroscopy) Practical
	Dr. Saheen Shehnaz Begum	I	H	C-102	Unit 1: Gaseous State Unit 3: Solid State
				GE	N/A
III		H	C-303	Unit 1: Phase equilibria Unit 3: Catalysis	
			GE	N/A	
VI (H)		H	C-401	Unit II: Transition Elements Unit IV: Bioinorganic Chemistry	
			C-401-LAB	A. Gravimetric Analysis B. Inorganic Preparation C. Chromatography of metal ions	
GE		VI (H)	GE-401	Unit II: Coordination Chemistry	
			GE-401-LAB	Unit III: Crystal Field Theory Section A: Inorganic Chemistry	
C-601		C-601-LAB	C-601	Unit I: Theoretical Principles in Qualitative Analysis (H <sub>2</sub> S Scheme) Unit II: Organometallic compounds Unit IV: Catalysis by Organometallic Compounds	
				C-601-LAB	A. Qualitative Inorganic Analysis
DSE-601	DSE-601-LAB	DSE-601	Unit I: Silicate Industries A. Qualitative Inorganic Analysis Dissertation (Project Work)		
			DSE-603	Dissertation (Project Work)	
Dr. Plaban Jyoti Sarma	II	H	N/A		
			GE	N/A	
	IV	H	C-401	Unit II: Transition Elements Unit IV: Bioinorganic Chemistry	
			C-401-LAB	A. Gravimetric Analysis B. Inorganic Preparation C. Chromatography of metal ions	
	GE	VI (H)	GE-401	Unit II: Coordination Chemistry	
			GE-401-LAB	Unit III: Crystal Field Theory Section A: Inorganic Chemistry	
	C-601	C-601-LAB	C-601	Unit I: Theoretical Principles in Qualitative Analysis (H <sub>2</sub> S Scheme) Unit II: Organometallic compounds Unit IV: Catalysis by Organometallic Compounds	
				C-601-LAB	A. Qualitative Inorganic Analysis
	DSE-601	DSE-601-LAB	DSE-601	Unit II: Fertilizers A. Determination of free acidity B. Estimation of Calcium C. Analysis of Cement D. Determination of composition of Dolomite E. Preparation of Pigment	
				DSE-603	Dissertation (Project Work)

Course distribution for the even semester, 2022 can be found in the following link

#### Course distribution of even semester, 2022 can be found in the following link

#### C1 Inorganic Chemistry

Faculty name	Semester	Paper Code	Unit wise division	
Dr. Pakiza Begum	II	H	N/A	
			GE	N/A
	IV	H	C-401	Unit II: Transition Elements Unit III: Lanthanoids and Actinoids Unit IV: Bioinorganic Chemistry
			C-401-LAB	A. Gravimetric Analysis B. Inorganic Preparation C. Chromatography of metal ions
	GE	VI (H)	GE-401	Unit II: Coordination Chemistry
			GE-401-LAB	Unit III: Crystal Field Theory Section A: Inorganic Chemistry
	C-601	C-601-LAB	C-601	Unit I: Theoretical Principles in Qualitative Analysis (H <sub>2</sub> S Scheme) Unit II: Organometallic compounds Unit IV: Catalysis by Organometallic Compounds
				C-601-LAB
	DSE-601	DSE-601-LAB	DSE-601	Unit I: Silicate Industries A. Qualitative Inorganic Analysis Dissertation (Project Work)
				DSE-603
Dr. Plaban Jyoti Sarma	II	H	N/A	
			GE	N/A
	IV	H	C-401	Unit II: Transition Elements Unit IV: Bioinorganic Chemistry
			C-401-LAB	A. Gravimetric Analysis B. Inorganic Preparation C. Chromatography of metal ions
	GE	VI (H)	GE-401	Unit II: Coordination Chemistry
			GE-401-LAB	Unit III: Crystal Field Theory Section A: Inorganic Chemistry
	C-601	C-601-LAB	C-601	Unit I: Theoretical Principles in Qualitative Analysis (H <sub>2</sub> S Scheme) Unit II: Organometallic compounds Unit IV: Catalysis by Organometallic Compounds
				C-601-LAB
	DSE-601	DSE-601-LAB	DSE-601	Unit II: Fertilizers A. Determination of free acidity B. Estimation of Calcium C. Analysis of Cement D. Determination of composition of Dolomite E. Preparation of Pigment
				DSE-603



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## DEPARTMENT OF CHEMISTRY

### C2 Organic Chemistry

Faculty name	Semester	Paper Code	Unit wise division	
Dr. Arandao Narzary	II	H	C-201 Unit-II: Stereochemistry Unit-III: Chemistry of Aliphatic Hydrocarbons	
		C-201-LAB	EXP-1,2,3 and 4 Chromatography, Crystallization, Determination of melting point	
	GE	GE-201	Unit-IV: Aromatic Hydrocarbons V: Alkyl and Aryl Halides Section B: Criteria of Purity: Determination of melting and boiling points, Preparations	
		GE-201-LAB		
	IV	H	C-402 Unit-II: Polynuclear Aromatic Hydrocarbons Unit III: Heterocyclic Compound-I Unit V: Terpenes	
		C-402-lab	EXP-1, 2 and 3 Detection of elements (N, S and Halogens, Functional group detection	
	VI (H)	GE	N/A	
		C-602	Unit-I: Organic Spectroscopy II: Carbohydrates III: Dyes Unit-I, II	
	Mr. Rituraj Talu	II	C-201	Unit-I: Basic Organic Chemistry Unit-IV: Cycloalkanes and Conformational analysis
			C-201-LAB	Unit-V: Aromatic Hydrocarbons EXP-1,2,3 and 4 Chromatography, Crystallization, Determination of melting point
GE		GE-201	Unit-VI: Alcohols, Phenols and Ethers Section B: Criteria of Purity: Determination of melting and boiling points, Preparations	
		GE-201-LAB		
IV		C-402	Unit-I: Nitrogen Containing Functional Group IV: Alkaloids	
		C-402-lab	EXP-1,2 and 3 Detection of elements (N, S and Halogens, Functional group detection	
VI (H)		GE	N/A	
		C-602	Unit-I: Organic Spectroscopy IV: Polymers	
C-602 LAB		Unit-I, II Qualitative analysis of unknown organic compounds containing monofunctional groups, Extraction of caffeine from tea leaves. Unit-III: Surface Coatings Project		
DSE 601 DSE-603				

			Qualitative analysis of unknown organic compounds containing monofunctional groups, Extraction of caffeine from tea leaves. Unit-III: Surface Coatings Project
		DSE 601 DSE-603	

### C3 Physical Chemistry

Faculty name	Semester	Paper Code	Unit wise division
Dr. Anna Gogoi	II	H	C-202 Unit-I (Chemical Thermodynamics) Practical
		C-202 Lab	
	GE	GE-201	Unit-3 (Ionic Equilibrium) Practical
		GE-201-lab	
	IV	H	C-403 Unit-I (Conductance) Practical
		C-403 Lab	
	VI (H)	GE	GE-401 Unit-IV Liquids Unit VII Chemical Kinetics Practical
		GE-401 Lab	
	VI (H)	DSE-603	Dissertation (Project Work)
		C-202	Unit 2: Systems of Variable composition Unit 3: Chemical Equilibrium Unit 4: Solutions and Colligative properties
IV	GE	Unit 1: Chemical energetics Unit 2: Chemical equilibrium	
	H	C-403 Unit 2: Electrochemistry Unit 3: Electrical and Magnetic Properties of Atoms and Molecules Unit 4: Kinetic Theory of Gases	
VI (H)	GE	Unit 6: Solids Unit 4: Batteries	
	DSE-601 DSE-603	Dissertation (Project Work)	

(Dr. Anna Gogoi)  
HoD,  
Head of the Department  
Chemistry Department  
Gargaon College, Simaluguri





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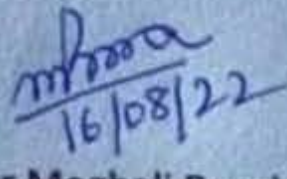
## DEPARTMENT OF COMMERCE

### Notice

Date: 16/08/2022

The following teachers/departments are entrusted with the responsibility of teaching the following subjects allotted against their names for the session 2022-2023 (ODD Semester) with effect from 16/8/2022.

Sl No	Name of the Faculty	Subjects
1	Dr Meghali Bora	ITLP(3 <sup>rd</sup> Sem), FIMT(5 <sup>TH</sup> SEM)
2	Mr Anil Tanti	BLAW (1 <sup>ST</sup> SEM) SEC/3 <sup>RD</sup> SEM(ENDT), FIMT (5 <sup>TH</sup> SEM)
3	Ms. Nomami Dutta	FACC(1 <sup>ST</sup> SEM) HRM (3RD Sem), FIMT (5 <sup>TH</sup> SEM)
4	Dr Mintu Gogoi	MPAA(3 <sup>RD</sup> SEM) PMTG (5 <sup>TH</sup> SEM) CB (5 <sup>TH</sup> SEM)
5	Mr Gautom Hazarika	MACC(5 <sup>TH</sup> SEM) FACC(1 <sup>ST</sup> SEM) ADFA(5 <sup>TH</sup> SEM)
6	Dr Mrinal Ghosh	RM(5 <sup>TH</sup> SEM) ECOM(3 <sup>RD</sup> SEM) ADFA(5 <sup>TH</sup> SEM) MECO(1 <sup>ST</sup> SEM)

  
16/08/22  
(Dr Meghali Bora)  
Head, Dept. Of Commerce  
Gargaon College

HOD  
Department of Commerce  
Gargaon College  
Date .....



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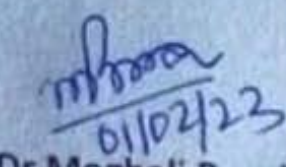
## DEPARTMENT OF COMMERCE

### Notice

Date: 1/02/2023

The following teachers/departments are entrusted with the responsibility of teaching the following subjects allotted against their names for the session 2022-2023 (Even Semester) with effect from 1/2/2023.

Sl No	Name of the Faculty	Subjects
1	Dr Meghali Bora	COAC (4 <sup>TH</sup> Sem), GST(6 <sup>th</sup> sem)
2	Mr Anil Tanti	CLAW(2 <sup>nd</sup> sem)
3	Ms. Nomami Dutta	COAC (2 <sup>nd</sup> Sem), SAPM(6 <sup>th</sup> sem), GST(6 <sup>th</sup> sem)
4	Dr Mintu Gogoi	AUDG, (6 <sup>th</sup> sem), SM, (6 <sup>th</sup> sem), ADM(6 <sup>th</sup> sem),
5	Mr Gautom Hazarika	COAC (2 <sup>nd</sup> Sem), IECO, (4 <sup>th</sup> sem) ENTP (4 <sup>th</sup> sem) FSA (6 <sup>th</sup> sem)
6	Dr Mrinal Ghosh	MECO, (2 <sup>nd</sup> Sem), COAC (4 <sup>TH</sup> Sem), FSA(6 <sup>th</sup> sem)
7	Dr. Nazreen Parveen Ali	BM (4 <sup>th</sup> sem)(online )
8.	PGDCA Dept	CAIB

  
01/02/23  
(Dr Meghali Bora)  
Head, Dept. Of Commerce  
Gargaon College

HOD  
Department of Commerce  
Gargaon College  
Date .....



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## DEPARTMENT OF EDUCATION



DEPARTMENT OF EDUCATION  
GARGAON COLLEGE  
Estd. - 1959  
P.O. Simaluguri, Dist. Sivasagar (Assam)  
Pin: 785686  
Email: edudeptgc@gmail.com

Course distribution for Odd Semester (2022)

Date: 20/09/2022

Unit Distribution (1 <sup>st</sup> , 3 <sup>rd</sup> & 5 <sup>th</sup> Semester, 2022)				
Semester	Course Code	Unit	Faculty	
1 <sup>st</sup> Semester (Honors)	EDNH 101	1, 2 & 3	Dr. Bidyananda Borkakoti Dr. Natali Borgohain	
		4&5	Dr. Ratna Das Dr. Poli Konwar	
		EDNH102	1, 2 & 3	Dr. Bidyananda Borkakoti Dr. Natali Borgohain
	4&5		Dr. Ratna Das Dr. Poli Konwar	
	1 <sup>st</sup> semester (Non-Honours)		EDCN101	1, 2 & 3
		4&5		Dr. Ratna Das Dr. Poli Konwar
3 <sup>rd</sup> Semester (Honors)		EDNH301	1, 2 & 3	Dr. Bidyananda Borkakoti Dr. Natali Borgohain

*[Signature]*  
Dr. Bidyananda Borkakoti  
HoD & Associate Professor  
Department of Education  
Gargaon College, Simaluguri, Assam

3 <sup>rd</sup> Semester (Non-Honours)	EDNH302	4&5	Dr. Ratna Das Dr. Poli Konwar
		1, 2 & 3	Dr. Bidyananda Borkakoti Dr. Natali Borgohain
		4&5	Dr. Ratna Das Dr. Poli Konwar
	EDN303	1, 2 & 3	Dr. Bidyananda Borkakoti Dr. Natali Borgohain
		4, 5 & 6	Dr. Ratna Das Dr. Poli Konwar
		5 <sup>th</sup> Semester (Honours)	EDNH501
EDNH502	1-5		
DSEED502	1-5		Dr. Bidyananda Borkakoti Dr. Natali Borgohain
5 <sup>th</sup> Semester (Non-Honours)	EDCN301	1, 2 & 3	Dr. Bidyananda Borkakoti Dr. Natali Borgohain
		4&5	Dr. Ratna Das Dr. Poli Konwar
	DSEED504	1-5	Dr. Ratna Das Dr. Poli Konwar
5 <sup>th</sup> Semester (Non-Honours)	EDDSE506	1, 2 & 3	Dr. Bidyananda Borkakoti Dr. Natali Borgohain
		4&5	Dr. Ratna Das Dr. Poli Konwar

*[Signature]*  
Dr. Bidyananda Borkakoti  
HoD & Associate Professor  
Department of Education  
Gargaon College, Simaluguri, Assam



DEPARTMENT OF EDUCATION  
GARGAON COLLEGE  
Estd. - 1959  
P.O. Simaluguri, Dist. Sivasagar (Assam)  
Pin: 785686  
Email: edudeptgc@gmail.com

Course distribution for Even Semester (2023)

Date: 22.01.2023

Unit Distribution (2 <sup>nd</sup> , 4 <sup>th</sup> & 6 <sup>th</sup> Semester, 2023)				
Semester	Course Code	Unit	Faculty	
2 <sup>nd</sup> Semester (Honors)	EDNH 201	1, 2 & 3	Dr. Bidyananda Borkakoti Dr. Natali Borgohain	
		4&5	Dr. Ratna Das Dr. Poli Konwar	
		EDN202	1, 2 & 3	Dr. Bidyananda Borkakoti Dr. Natali Borgohain
	4&5		Dr. Ratna Das Dr. Poli Konwar	
	2 <sup>nd</sup> semester (Non-Honours)		EDCN401	1, 2 & 3
		4&5		Dr. Ratna Das Dr. Poli Konwar
4 <sup>th</sup> Semester (Honours)		EDNH401	1, 2 & 3	Dr. Bidyananda Borkakoti Dr. Natali Borgohain

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HoD & Associate Professor  
Department of Education  
Gargaon College

4 <sup>th</sup> Semester (Non-Honours)	EDNH402	4&5	Dr. Ratna Das Dr. Poli Konwar
		1, 2 & 3	Dr. Bidyananda Borkakoti Dr. Natali Borgohain
		4&5	Dr. Ratna Das Dr. Poli Konwar
	EDN403	1, 2 & 3	Dr. Bidyananda Borkakoti Dr. Natali Borgohain
		4, 5 & 6	Dr. Ratna Das Dr. Poli Konwar
		6 <sup>th</sup> Semester (Honours)	EDCN401
4&5	Dr. Ratna Das Dr. Poli Konwar		
DSEED602	1-5		Dr. Bidyananda Borkakoti Dr. Natali Borgohain
6 <sup>th</sup> Semester (Non-Honours)	EDNH601	1-5	Dr. Bidyananda Borkakoti Dr. Natali Borgohain
		EDNH602	1-5
	DSEED604	1-5	Dr. Ratna Das Dr. Poli Konwar
6 <sup>th</sup> Semester (Non-Honours)	EDDSE606	1, 2 & 3	Dr. Bidyananda Borkakoti Dr. Natali Borgohain
		4&5	Dr. Ratna Das Dr. Poli Konwar

*[Signature]*  
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## DEPARTMENT OF GEOLOGY

Department of Geology

GARGAON



COLLEGE

ESTD. 1985

E-Mail : geologygargaon1985@gmail.com

SIMALUGURI-785686, SIVASAGAR, ASSAM

### Minutes of DMC meeting on curriculum planning and implementation

Academic Year: 2022-2023

Semester: Odd Semester (1<sup>st</sup>, 3<sup>rd</sup> and 5<sup>th</sup> Semester)

As per the DMC meeting held on 17/08/2022 following decisions have been taken for smoothly running the CBCS courses of Geology (Honours and Generic) during the odd semesters 2021 as well as for imparting quality education and developing a proper assessment system of the students.

Academic planning:

1. For smooth running of courses following course allotments have been made:

C1	Earth System Science	Dr. Chirantan Bhagawati
C2	Crystallography and Mineralogy	Dr. Chandraditya Gogoi, Mr. Debasish Konwar
GE1	Introduction to Geology	Prof. Bonika Buragohain
C5	Igneous Petrology	Dr. Chandraditya Gogoi
C6	Sedimentary Petrology	Prof. Bonika Buragohain
C7	Metamorphic Petrology	Mr. Debasish Konwar
GE3	Structural Geology and Tectonics	Dr. Chirantan Bhagawati
C11	Surveying and Engineering Geology	Dr. Chirantan Bhagawati
C12	Geomorphology	Mr. Debasish Konwar
DSE1	Fuel Geology	Prof. Bonika Buragohain
DSE2	Surveying and Mapping	Dr. Chandraditya Gogoi

2. For student assessment a following criteria shall be adopted:

For student assessment following factors shall be taken into account:

- > class attendance,
- > results of sessional examination to be held for 40 marks,
- > class presentations and group discussions of 40 marks,
- > Home assignments of 40 marks



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## DEPARTMENT OF GEOLOGY

Department of Geology  
**GARGAON COLLEGE**



ESTD. 1985

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SIMALUGURI-785686, SIVASAGAR, ASSAM

### Minutes of DMC meeting on curriculum planning and implementation

Academic Year: 2022-2023

Semester: Even Semester (2nd, 4th, & 6th Semester)

As per the DMC meeting held on 17/01/2023 following decisions have been taken for smoothly running the CBCS courses of Geology (Honours and Generic) during the even semesters 2023 as well as for imparting quality education and developing a proper assessment system of the students.

Academic planning:

1. For smooth running of courses following course allotments have been made:

C3	Geochemistry and Optical Mineralogy	Dr. Chirantan Bhagawati
C4	Structural Geology and Plate tectonics	Dr. Chandraditya Gogoi
GE2	Palaeontology	Prof. Bonika Buragohain, New Teacher
C8	Palaeontology	Prof. Bonika Buragohain
C9	Stratigraphic Principles and Indian Stratigraphy	Dr. Chandraditya Gogoi
C10	Hydrogeology and Oceanography	New Teacher
GE4	Geomorphology, Remote Sensing & GIS	Dr. Chirantan Bhagawati, New Teacher
C13	Economic Geology, Coal and Petroleum	Prof. Bonika Buragohain
C14	Remote Sensing and GIS	New Teacher
DSE3	Geology of North-East India	Dr. Chandraditya Gogoi
DSE4	Earth and Climate	Dr. Chirantan Bhagawati

2. For student assessment a following criteria shall be adopted:

For student assessment following factors shall be taken into account:

- > class attendance,
- > results of sessional examination to be held for 40 marks,
- > class presentations and group discussions of 40 marks,
- > Home assignments of 40 marks



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## DEPARTMENT OF HISTORY

COURSE DISTRIBUTIONS OF ODD AND EVEN SEMESTERS (JUNE 2022-JUNE 2023)

ODD SEMESTER, JUNE-DECEMBER, 2022 (1<sup>st</sup> SEM, 3<sup>rd</sup> SEM, 5<sup>th</sup> SEM)

Faculty name	Semester	Paper Code	Unit wise division
Dr. Manjumoni Gogoi Dhar	I	Hons	C-1
			NA
		Hons	C-2 SOCIAL FORMATION AND CULTURAL PATTERNS OF ANCIENT WORLD
			UNIT-IV:- Slave society in Ancient Greece Agrarian economy, Urbanization, trade.  UNIT-V:- Polis in Ancient Greece.
	GE	GE-101 HISTORY OF ASSAM: 1228- 1826	UNIT-IV: 5.01: Ahom system of Administration -The state and Paik system.  5.02: Ahom policy towards the Neighbouring Hill Tribes.
	III	Hons	C-7 HISTORY OF INDIA IV (1206-1550)
			UNIT-IV: SOCIETY AND ECONOMY  (a) Iqta and the revenue- free grants (b) Agricultural production, technology (c) Changes in rural society, revenue system (d) Monetization, market regulations, growth of urban centers, trade and commerce, Indian Ocean Trade



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## DEPARTMENT OF HISTORY

EVEN SEMESTER, JANUARY-JUNE, 2023 (2<sup>ND</sup> SEM, 4<sup>TH</sup> SEM, 6<sup>TH</sup> SEM)

Dr. Manjumon Gogoi Dhar	II	II	C-III HISTORY OF INDIA-II	UNIT III: Towards early mediaeval India(400- 750 AD)  (a) Agrarian expansion, land grants, changing production relation, graded land rights and peasantry. (b) The problem of urban declines- pattern of trade and currency. (c) Varna, proliferation of jatis (d) The nature of polities, the Guptas.
		GE	C-II HISTORY OF INDIA FROM THE EARLIEST TIMES TO 1526.	UNIT IV: Political developments in the south - the Pallavas, the imperial cholas, the Rastrakutas and the Chalukyas.
		NH	C-II HISTORY OF MEDIASEVAL INDIA	UNIT III: 3.01: Foundation of the Mughal empire-Mughal- Afghan context  3.02: Consolidation and territorial expansion of the Mughal empire.
	IV	H	C-IX HISTORY OF INDIA V(1550- 1605)	Unit I- Sources of Historiography  (a) Persian literary culture- translation, vernacular literary tradition. (b) Modern Interpretation.  UNIT IV : Rural society and economy.  (a) Land rights and revenue system. (b) Extension of agriculture and agricultural production.
		GE	C-IV HISTORY OF MODERN ASSAM 1826- 1947	Unit-I: 1.01: Political condition in Assam on the eve of the British rule.  1.02: Establishment and consolidation of the British rule.



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## DEPARTMENT OF PHYSICS

Course distribution of odd semester, 2022 -23

Department: Physics

Faculty Name	Semester	Paper Code	Unit wise division
Diganta Konwar	I	H	C2: Mechanics Fluid motion, Gravitation and Central force motion, Oscillation, Non-Inertial systems
		GE	GE1: Mechanics Gravitation, Oscillation
	III	H	C7: Digital System and Application C6-Lab C7-Lab Introduction to CRO, Integrated Circuit, Digital Circuit, Boolean Algebra, Data Processing Circuits, Arithmetic Circuit, Sequential Circuit, Timers, Shift registers, Counters(4 bits)
		GE	DSC-3A: Thermal Physics and Statistical Mechanics Kinetic Theory of Gases.
V	H	C12: Solid State Physics DSE1: Classical Dynamics Dielectric Properties of Materials, Ferroelectric Properties of Matters, Elementary band theory, Superconductivity. Classical Mechanics of Point Particles, Small Amplitude Oscillations	
Guna Kanta Sonowal	I	H	C1: Mathematical Physics-I C1-Lab. Vector Calculus, Vector differentiation, Vector integration.
		GE	GE1: Mechanics Vector, Ordinary differential Equation
	III	H	C6: Thermal Physics Thermodynamic Potential, Maxwell's Thermodynamic Relations, Kinetic Theory of Gasses, Distribution of velocities, Molecular Collisions, Real Gases,
		GE	DSC-3A: Thermal Physics and Statistical Mechanics Statistical Mechanics.
V	H	C11: Quantum Mechanics & Applications C9-Lab Time dependent Schrodinger Equation, Time independent Schrodinger Equation, General discussion of bound states in an arbitrary potential, Quantum theory of hydrogen like atoms, Atoms in Electric and Magnetic fields, Atom in external Magnetic fields, Many electron atoms.	
Jayanta Sonowal	I	H	C1: Mathematical Physics-I Orthogonal Curvilinear Coordinates, Introduction to probability, Dirac Delta function and its properties. Special theory of relativity.
		H	C2: Mechanics Law of motion.
	III	H	C5: Mathematical Physics-II Theory of Errors, Partial Differential Equations. Computer organization, Intel 8085

  
12/08/22  
HOD

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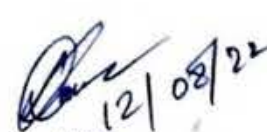


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## DEPARTMENT OF PHYSICS

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			C7: Digital System and Application C5-Lab C7-Lab	Microprocessor Architecture, Introduction to Assembly Language.	
		GE	DSC-3A: Thermal Physics and Statistical Mechanics	Thermodynamic Potential.	
		V	H	DSE2: Astronomy & Astrophysics	Astronomical Scales, Astronomical Technique, The Sun, The milky way, Galaxies, Large scale structure & expanding universe.
Dr. Gitashri Arandhara	I	H	C1: Mathematical Physics-I C2-Lab	Calculus	
		GE	GE1: Mechanics	Momentum and energy, Rotational motion.	
	III	H	C5: Mathematical Physics-II	Fourier Series, Frobenius Method and Special Function, Some Special Integral	
		GE	DSC-3A: Thermal Physics and Statistical Mechanics	Theory of radiation	
	V	H	C12: Solid State Physics C12-Lab	Crystal Structure, Elementary Lattice Dynamics, Magnetic properties of matter	
Dr. Bidyut Bikash Hazarika	I	H	C2: Mechanics C2-Lab	Fundamental of dynamics, Work and energy, Collision, Rotational dynamics, Elasticity.	
		GE	GE1: Mechanics	Elasticity, Special theory of Relativity.	
	III	H	C6: Thermal Physics	Zeroth and First Law of Thermodynamics, Secod law of Thermodynamics, Entropy.	
		GE	DSC-3A: Thermal Physics and Statistical Mechanics	Law of thermodynamics	
	V	H	DSE1: Classical Dynamics C12-Lab	Special Theory of Relativity, Fluid Dynamics.	

  
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## DEPARTMENT OF PHYSICS

Course distribution even Semester 2022- 2023:

Faculty Name	Semester	Paper Code	Unit wise division	
Diganta Konwar	II	H	C4: Waves and Optics C4-Lab	Superposition of Collinear Harmonic Oscillations, Superposition of two perpendicular harmonic oscillations, Wave motion, Velocity of waves, Superposition of two harmonic waves.
		GE	DSC-2A: Electricity and Magnetism	Electrostatics in Dielectric medium.
	IV	H	C10: Analog System and Application C10-Lab	Semiconductor diode, Two terminal devices and their applications, Bipolar junction transistors, Amplifiers, Coupled amplifier, Feedback in amplifiers.
		GE	DSC-4A: Wave and Optics	Superposition of two collinear harmonic oscillations, Superposition of two perpendicular harmonic oscillations, Wave motion-General.
	VI	H	DSE-3: Nuclear and Particle Physics C13-Lab	General properties of nuclei, Nuclear models, radioactive decay, Nuclear reactions. Particle Physics.
	Guna Kanta Sonowal	II	H	C3: Electricity and Magnetism C4-Lab
GE			DSC-2A: Electricity and Magnetism	Vector analysis.
IV		H	C8: Mathematical physics-III C9-Lab	Complex Analysis.
		GE	DSC-4A: Wave and Optics DSC-4A-Lab	Sound
VI		H	C13-Electromagnetic Theory C14: Statistical Mechanics	Polarization of electromagnetic waves. Classical statistics, Classical theory of radiation, Quantum theory of radiation.
Jayanta Sonowal		II	H	C4: Waves and Optics C3-Lab
	GE		DSC-2A: Electricity and Magnetism DSC-2A-Lab	Magnetism
	IV	H	C9: Elements of Modern physics C9: Elements of Modern physics C8-Lab	Atomic Nucleus, Radioactivity, Fission and Fusion, Lasers. Sinusoidal oscillations, Operational amplifiers, Applications of Op-Amps, Conversion.
		GE	DSC-4A: Wave and Optics	Wave optics, Interference
	VI	H	DSE-4: Nano material	Synthesis of nanostructure materials,

  
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## DEPARTMENT OF PHYSICS

			and Application DSE-4-Lab	Characterization, Optical properties, Electron transport, applications.
Gitashri Arandhara	II	H	C3: Electricity and Magnetism C3-Lab	Magnetic Field, Magnetic properties of Matter, Electromagnetic Induction
		GE	DSC-2A: Electricity and Magnetism DSC-2A-Lab	Electrostatics
	IV	H	C9: Elements of Modern physics	Planck's quantum theory, Radiation, Position measurement, Schrödinger equation, Two slit interference experiments with photons, One dimensional rigid box.
		GE	DSC-4A: Wave and Optics	Michelson's interferometer, Polarization.
VI	H	C13: Electromagnetic Theory DSE-3: Nuclear and Particle Physics DSE-4: Nano material and Application DSE-4-Lab	Maxwell equation.  Interaction of nuclear radiation with matter, Detector for nuclear radiation. Particle accelerators. Nanoscale system.	
Bidyut Bikash Hazarika	II	H	C3: Electricity and Magnetism C4: Waves and Optics C4-Lab	Electric circuits, Network Theorems, Ballistic Galvanometer. Fresnel diffraction, Holography.
		GE	DSC-2A: Electricity and Magnetism	Electromagnetic induction, Maxwell's equation and electromagnetic wave propagation.
	IV	H	C8: Mathematical physics-III C9-Lab C10-Lab	Integral Transforms, Laplace transform.
		GE	DSC-4A: Wave and Optics DSC-4A-Lab	Diffraction
	VI	H	C13: Electromagnetic theory C13-Lab C14: Statistical Mechanics	EM Wave propagation in unbounded media, EM wave in bounded media, Optical fibers. Bose-Einstein statistics, Fermi-Dirac statistics.

  
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## DEPARTMENT OF STATISTICS

### Course Distribution / Plan for the Session 2022-2023

#### Subject: Statistics [CBCS (Honours & GE) ]

Sl. No.	Semester	Course /Paper	Title of the Course/Paper [Total Marks: 100 each]	Honours /GE	Theory / Practical	Name of the Faculty
1	Sem I	STAT-C1	Descriptive Statistics	Honours	Theory & Practical	Dr. Ranjana Gogoi
2	Sem I	STAT-C2	Calculus	Honours	Theory	Ms. Bornali Dutta
3	Sem I	STAT-GE1	Statistical Methods	Generic	Theory & Practical	Dr. Ranjana Gogoi
4	Sem II	STAT-C3	Probability and Probability Distributions	Honours	Theory & Practical	Dr. Ranjana Gogoi
5	Sem II	STAT-C4	Algebra	Honours	Theory	Ms. Bornali Dutta
6	Sem II	STAT-GE-02	Introductory Probability	Generic	Theory & Practical	Dr. Ranjana Gogoi
7	Sem III	STAT-C 5	Sampling Distributions	Honours	Theory & Practical	Ms. Bornali Dutta
8	Sem III	STAT-C 6	Survey Sampling and Indian Official Statistics	Honours	Theory & Practical	Dr. Ranjana Gogoi
9	Sem III	STAT-C 7	Mathematical Analysis	Honours	Theory & Practical	Ms. Bornali Dutta
10	Sem III	STAT-GE-03	Sample Survey	Generic	Theory & Practical	Dr. Ranjana Gogoi
4	Sem IV	STAT-C-401	Statistical Inference	Honours	Theory & Practical	Ms. Bornali Dutta
11	Sem IV	STAT-C-402	Linear Models	Honours	Theory & Practical	Dr. Ranjana Gogoi
12	Sem IV	STAT-C-403	Statistical Quality Control	Honours Unit-I, II, III	Theory & Practical	Dr. Ranjana Gogoi
13	Sem IV	STAT-C-403	Statistical Quality Control	Honours	Theory & Practical	Dr. Ranjana Gogoi
14	Sem IV	STAT-GE-04	Basics of Statistical Inference	Generic	Theory & Practical	Bornali Dutta
15	Sem V	STAT-C11	Stochastic Process and Queuing Theory	Honours	Theory & Practical	Ms. Bornali Dutta
16	Sem V	STAT-C12	Statistical Computing Using C/C++ Programming	Honours	Theory & Practical	Ms. Bornali Dutta
17	Sem V	STAT-DSE-2	Time Series Analysis	Honours	Theory & Practical	Dr Ranjana Gogoi
18	Sem V	STAT-DSE-4	Demography and Vital Statistics	Honours	Theory & Practical	Dr Ranjana Gogoi
19	Sem VI	STAT-C 13	Design of Experiments	Honours	Theory & Practical	Ms. Bornali Dutta
20	Sem VI	STAT-C14	Multivariate Analysis and Nonparametric Methods	Honours	Theory & Practical	Ms. Bornali Dutta
21	Sem VI	STAT-DSE-3	Econometrics	Honours	Theory & Practical	Dr. Ranjana Gogoi
22	Sem VI	STAT-DSE 8	Project Work	Honours	Theory & Software	Dr. Ranjana Gogoi Ms. Bornali Dutta



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## DEPARTMENT OF ZOOLOGY



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### EVEN SEMESTER (2022-2023)

#### Course Distribution for the Even Semester 2023

Unit Wise Distribution (Even Semester, 2022-2023)				
HONOURS				
Semester	Course Title and Code	Unit	Title	Faculty name
2 <sup>nd</sup>	Non-chordates II: Coelomates ZC203T	Unit 1	Introduction to Coelomates	Dr.Anurag Protim Das
		Unit 2	Annelida	Dr.Anurag Protim Das
		Unit 3	Arthropoda	Dr.Anurag Protim Das
		Unit 4	Onychophora	Dr.Anurag Protim Das
		Unit 5	Mollusca	Dr.Anurag Protim Das
		Unit 6	Echinodermata	Dr.Anurag Protim Das
	Cell Biology ZC204T	Unit 1	Overview of Cells	Pimily Langthasa
		Unit 2	Plasma Membrane Uni	Pimily Langthasa
		Unit 3	Endomembrane System	Pimily Langthasa
		Unit 4	Mitochondria and Peroxisomes	Pimily Langthasa
		Unit 5	Cytoskeleton	Pimily Langthasa
		Unit 6	Nucleus	Pimily Langthasa
		Unit 7	Cell Division	Manshi Kaushik
		Unit 8	Cell Signaling	Manshi Kaushik
4 <sup>th</sup>	Comparative Anatomy of Vertebrates ZC408T	Unit 1	Integumentary System	Dr.Anurag Protim Das
		Unit 2	Skeletal System	Dr.Anurag Protim Das
		Unit 3	Digestive System	Dr.Anurag Protim Das
		Unit 4	Respiratory System	Dr.Anurag Protim Das
		Unit 5	Circulatory System	Dr.Anurag Protim Das
		Unit 6	Urogenital System	Dr.Anurag Protim Das
		Unit 7	Nervous System	Dr.Anurag Protim Das
		Unit 8	Sense Organs	Dr.Anurag Protim Das
	Physiology: Life	Unit 1	Physiology of	Pimily Langthasa



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Coordinating Systems ZC306T	Unit 3	Nervous System	Dr.Anurag Protim Das	
	Unit 4	Muscle	Dr.Anurag Protim Das	
	Unit 5	Reproductive System	Pimily Langthasa	
	Unit 6	Endocrine System	Dr.Anurag Protim Das	
	Fundamentals of Biochemistry ZC307T	Unit 1	Carbohydrates	Dr.Rashmi Dutta
		Unit 2	Lipids	Dr.Rashmi Dutta
Unit 3		Proteins	Pimily Langthasa	
Unit 4		Nucleic Acids	Pimily Langthasa	
Unit 5		Enzymes	Dr.Rashmi Dutta	
5 <sup>th</sup>	Molecular Biology ZC511T	Unit 1	Nucleic Acids	Pimily Langthasa
		Unit 2	DNA Replication	Pimily Langthasa
		Unit 3	Transcription	Pimily Langthasa
		Unit 4	Translation	Pimily Langthasa
		Unit 5	Post Transcriptional Modifications and Processing of Eukaryotic RNA	Pimily Langthasa
		Unit 6	Gene Regulation	Pimily Langthasa
		Unit 7	DNA Repair Mechanisms	Dr.Rashmi Dutta
		Unit 8	Regulatory RNAs	Dr.Rashmi Dutta
	Principles of Genetics ZC512T	Unit 1	Mendelian Genetics and its Extension	Dr.Rashmi Dutta
		Unit 2	Linkage, Crossing Over and Chromosomal Mapping	Dr.Rashmi Dutta
		Unit 3	Mutation	Pimily Langthasa
		Unit 4	Sex Determination	Pimily Langthasa
		Unit 5	Extra-chromosomal Inheritance	Dr.Rashmi Dutta
		Unit 6	Polygenic Inheritance	Dr.Rashmi Dutta
Unit 7		Recombination in Bacteria and Viruses	Dr.Rashmi Dutta	



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	DSE-1: Animal Behaviour and Chronobiology ZD501T	Unit 8	Transposable Genetic Elements	Dr.Rashmi Dutta
		Unit 1	Introduction	Pimily Langthasa
		Unit 2	Patterns of Behaviour	Pimily Langthasa
		Unit 3	Social and Sexual Behaviour	Dr.Anurag Protim Das
		Unit 4	Introduction to Chronobiology	Dr.Anurag Protim Das
		Unit 5	Biological Rhythm	Dr.Anurag Protim Das
	DSE-2: Biology of Insecta ZD606T	Unit 6	Biological Clocks	Dr.Anurag Protim Das
		Unit 1:	Introduction	Dr.Rashmi Dutta
		Unit 2:	Insect Taxonomy	Dr.Rashmi Dutta
		Unit 3:	General Morphology of Insects	Dr.Rashmi Dutta
		Unit 4:	Physiology of Insects	Dr.Rashmi Dutta
		Unit 5:	Insect Society	Dr.Rashmi Dutta
		Unit 6:	Insect Plant Interaction	Dr.Anurag Protim Das
		Unit 7:	Insects as vectors	Dr.Anurag Protim Das
GENERIC				
1 <sup>st</sup>	Animal Diversity GEII	Unit 1	Protista	Pimily Langthasa
		Unit 2	Porifera	Pimily Langthasa
		Unit 3	Radiata	Pimily Langthasa
		Unit 4	Acoelomates	Pimily Langthasa
		Unit 5	Pseudo-coelomates	Pimily Langthasa
		Unit 6	Coelomate Protostomes	Pimily Langthasa
		Unit 7	Arthropoda	Dr.Rashmi Dutta
		Unit 8	Mollusca	Dr.Rashmi Dutta
		Unit 9	Coelomate Deuterostomes	Dr.Rashmi Dutta
		Unit 10	Proto-chordata	Dr.Rashmi Dutta
		Unit 11	Pisces	Dr.Anurag Protim



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		Unit 12	Amphibia	Dr.Anurag Protim Das		
		Unit 13	Amniotes	Dr.Anurag Protim Das		
		Unit 14	Aves	Dr.Anurag Protim Das		
		Unit 15	Mammalia	Dr.Anurag Protim Das		
		3 <sup>rd</sup>	Human Physiology GEVII	Unit 1	Digestion and Absorption of Food	Dr.Rashmi Dutta
				Unit 2	Functioning of Excitable Tissue (Nerve and Muscle)	Pimily Langthasa
Unit 3	Respiratory Physiology			Dr.Rashmi Dutta		
Unit 4	Renal Physiology			Pimily Langthasa		
Unit 5	Cardio-vascular Physiology			Dr.Rashmi Dutta		
Unit 6	Endocrine and Reproductive Physiology			Dr. Anurag Protim Das		

  
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(Dr. Rina Handique)  
Head, Department of Zoology  
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**EVEN SEMESTER (2022-2023)**

**Course Distribution for the Even Semester 2023**

**Unit Wise Distribution (Even Semester, 2022-2023)**

HONOURS				
Semester	Course Title and Code	Unit	Title	Faculty name
2 <sup>nd</sup>	Non-chordates II: Coelomates ZC203T	Unit 1	Introduction to Coelomates	Dr. Anurag Protim Das
		Unit 2	Annelida	Dr. Anurag Protim Das
		Unit 3	Arthropoda	Dr. Anurag Protim Das
		Unit 4	Onychophora	Dr. Anurag Protim Das
		Unit 5	Mollusca	Dr. Anurag Protim Das
		Unit 6	Echinodermata	Dr. Anurag Protim Das
	Cell Biology ZC204T	Unit 1	Overview of Cells	Pimily Langthasa
		Unit 2	Plasma Membrane Uni	Pimily Langthasa
		Unit 3	Endomembrane System	Pimily Langthasa
		Unit 4	Mitochondria and Peroxisomes	Pimily Langthasa
		Unit 5	Cytoskeleton	Pimily Langthasa
		Unit 6	Nucleus	Pimily Langthasa
Unit 7		Cell Division	Manshi Kaushik	
Unit 8		Cell Signaling	Manshi Kaushik	
4 <sup>th</sup>	Comparative Anatomy of Vertebrates ZC408T	Unit 1	Integumentary System	Dr. Anurag Protim Das
		Unit 2	Skeletal System	Dr. Anurag Protim Das
		Unit 3	Digestive System	Dr. Anurag Protim Das
		Unit 4	Respiratory System	Dr. Anurag Protim Das
		Unit 5	Circulatory System	Dr. Anurag Protim Das
		Unit 6	Urogenital System	Dr. Anurag Protim Das
		Unit 7	Nervous System	Dr. Anurag Protim Das
		Unit 8	Sense Organs	Dr. Anurag Protim Das
	Physiology: Life	Unit 1	Physiology of	Pimily Langthasa

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Sustaining Systems ZC409T	Unit 2	Physiology of Respiration	Pimily Langthasa
	Unit 3	Renal Physiology	Pimily Langthasa
	Unit 4	Blood	Manshi Kaushik
	Unit 5	Physiology of Heart	Dr. Rina Handique
	Biochemistry of Metabolic Processes ZC4010T	Unit 1	Overview of Metabolism
Unit 2		Carbohydrate Metabolism	Manshi Kaushik
Unit 3		Lipid Metabolism	Manshi Kaushik
Unit 4		Protein Metabolism	Pimily Langthasa
Unit 5		Oxidative Phosphorylation	Pimily Langthasa
6 <sup>th</sup> Developmental Biology ZC613T	Unit 1	Introduction	Pimily Langthasa
	Unit 2	Early Embryonic Development	Pimily Langthasa
	Unit 3	Late Embryonic Development	Pimily Langthasa
	Unit 4	Post Embryonic Development	Pimily Langthasa
	Unit 5	Implications of Developmental Biology	Pimily Langthasa
Evolutionary Biology ZC614T	Unit 1	Life's Beginnings	Dr. Anurag Protim Das
	Unit 2	Historical review of evolutionary concept	Dr. Anurag Protim Das
	Unit 3	Evidences of Evolution	Dr. Anurag Protim Das
	Unit 4	Sources of variations	Dr. Anurag Protim Das
	Unit 5	Basic concept of Population genetics	Manshi Kaushik
	Unit 6	Product of evolution	Manshi Kaushik
	Unit 7	Extinctions	Manshi Kaushik
	Unit 8	Origin and evolution of man	Manshi Kaushik
	Unit 9	Phylogenetic trees	Manshi Kaushik

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Immunology ZD608T	Unit 1	Overview of Immune System	Manshi Kaushik	
	Unit 2	Innate and Adaptive Immunity	Manshi Kaushik	
	Unit 3	Antigens	Manshi Kaushik	
	Unit 4	Immunoglobulins	Manshi Kaushik	
	Unit 5	Major Histocompatibility Complex	Manshi Kaushik	
	Unit 6	Cytokines	Manshi Kaushik	
	Unit 7	Complement System	Manshi Kaushik	
	Unit 8	Vaccines	Manshi Kaushik	
Fish and Fisheries ZD607T	Unit 1	Introduction and Classification	Dr. Anurag Protim Das	
	Unit 2	Morphology and Physiology	Dr. Anurag Protim Das	
	Unit 3	Fisheries	Dr. Anurag Protim Das	
	Unit 4	Aquaculture	Dr. Rina Handique	
	Unit 5	Fish in research	Dr. Anurag Protim Das	
<b>GENERIC</b>				
Semester	Course Title and Code	Unit	Title	Faculty name
2 <sup>nd</sup>	Insect Vectors And Diseases GE VIII	Unit 1	Introduction to Insects	Pimily Langthasa
		Unit 2	Concept of Vectors	Pimily Langthasa
		Unit 3	Insects as Vectors	Dr. Anurag Protim Das
		Unit 4	Dipteran as Disease Vectors	Dr. Anurag Protim Das
		Unit 5	Siphonaptera as Disease Vectors	Dr. Anurag Protim Das
		Unit 6	Siphunculata as Disease Vectors	Dr. Anurag Protim Das
		Unit 7	Hemiptera as Disease Vectors	Dr. Anurag Protim Das
4 <sup>th</sup>	Environment And Public Health	Unit 1	Introduction	Dr. Anurag Protim Das
		Unit 2	Climate Change	Dr. Anurag Protim Das

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GE IV	Unit 3	Pollution	Pimily Langthasa
	Unit 4	Waste Management Technologies	Pimily Langthasa
	Unit 5	Diseases	Dr. Anurag Protim Das

  
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