

RUNA DAS

Contact: 8250968966,9475314720

Qualification: M. Sc.

Designation: State Aided College Teacher

Teaching Experience (in years): UG: 23 YEARS

Research Experience (in years): N.A.

Date of Joining Present Institution: 14/03/1997

Specialization/Research Interest: CYTOGENETICS



Courses taught

B.Sc. Program	
Semester-I	THEORY Unit 2: Phylum Porifera Unit 3: Phylum Cnidaria, Polymorphism Unit 5: Phylum Nematelminths Unit 13: Amphibia, Classification, Parental Care Unit 14: Reptiles, Classification PRACTICAL i) Identification of different Specimens
Semester-II	THEORY Unit 1: Integumentary System Unit 3: Digestive System Unit 4: Respiratory System Unit 6: Urinogenital System Unit 8: Sense Organs PRACTICAL i) Frog- Study of developmental stages ii) Study of different types of placenta iii) Examination of gametes
Semester-III	THEORY Unit 2: Digestion Unit 3: Respiration Unit 5: Cardiovascular System Unit 6: Reproduction and Endocrine glands

	<p>PRACTICAL</p> <p>i) Preparation of haemin crystal ii) Study of permanent histological section</p>
Semester-IV	<p>THEORY</p> <p>Unit 1:Introduction to genetics Unit 2:Mendelian genetics and its extension Unit 4:Mutation Unit 8:Direct evidences of evolution Unit 10:Species concept Unit 11:Macroevolution</p> <p>PRACTICAL</p> <p>i) Study of Mendelian uses using suitable examples ii) Study of human karyotypes iii) Study of fossil evidences from plaster cast models iv)Study of homology and analogy</p> <p>CHART:</p> <p>a)Phylogeny of horse b)Darwin's Finches</p>
Semester-V	<p>THEORY</p> <p>DSE 1:FISH AND FISHERIES</p> <p>Unit 1:Classification,Introduction,Habit and Habitat, Manner of Reproduction Unit 2:Morphology and Physiology</p> <p>PRACTICAL</p> <p>i)Study of different Fish ii) Study of different type of scales, craft and gear iii)Video of induced breeding in fishes iv)Video of Parental care in Fishes</p>
Semester-VI	<p>THEORY</p> <p>SEC 3:RESEARCH METHODOLOGY</p> <p>Unit 1:Foundation of Research Unit 2:Research Design</p> <p>DSE 4:AQUATIC BIOLOGY</p> <p>Unit 1:Aquatic Biomes Unit 2:Fresh water biology</p> <p>PRACTICAL</p> <p>i) Identify the important macrophyte, phytoplankton & zooplanktons in lake ecosystems ii) Determine the amount of turbidity, dissolved oxygen, free CO₂, alkalinity in water iii)Instrument used in Limnology</p>

Online Mode of Teaching

1. Giving assignments to the students through WhatsApp.
2. Taking online examination, checking their papers sent through WhatsApp photos and evaluate.
3. Giving teaching materials by making pdfs.
4. WhatsApp voice recording for explanation of each topics against each photos.

Publications

Journals:

1. Levels of Toxic Metals in Acridids Of the industrial area and adjoining forest of Durgapur
SUSANTA NATH, P.HALDER1 AND RUNA DAS *Department of zoology, Durgapur Govt. College, Durgapur 713214, India. Department of Zoology, ViswaBharati University Santiniketan, 731235, India.*

Paper Presentations

- **Paper Presentation on** “Contemporary Era of Sciences: Biological and Chemical Interface” a DSTBT-GoWB Sponsored Two Day National Seminar(Under Science Popularization Programme) held on March 26-27,2019

Organization of events (Durgapur Government College)

1. One day seminar on “Biponnaari: Protibaad O Protirodh” organized by Cell For Gender Sensitization Durgapur Government College, on Feb 27,2008