DEPARTMENT OF ZOOLOGY

GGDC, MANBAZAR II

ACADEMIC SESSION 2022 - 2023

CORE COURSE PROGRAMME OBJECTIVES (PO)

Inspiring the students to pursue higher studies in the field of zoology that will be the foundation stone for their future study and research works. It will also do the other advancement in most specific biological fields. Now a days Zoology is one of the favourite course among the students due to its exposure and possibility to get admission in various advance paramedical courses.

CORE SPECIFIC OUTCOMES (PSO)

SEM-I

CORE T1-Non Chordate I- PROTISTA TO PSEUDOCOELOMATES

Introduction to non-chordate is the first foot step in the zoological science. There is a brief taxonomic study starting from classification to nomenclature. This part deals with the invertebrates, starting from protista to pseudocoelomates which are the pioneers in this field with their evolutionary significance both theoretically as well as practically.

CORE P1: Non-chordate Lab: Practical course

There are many practical in this syllabus for better understanding of the subject, non-chordata and real exposure to the subject in details.

CORE T2- PERSPECTIVES IN ECOLOGY

The subject ecology deals with the interaction of living and non-living components in relation to the environment. Students will get the ideas about population, community & their interaction. The flow of energy through several trophic layers in food chain open a vast area of thermodynamics in living world. The practical aspect of this paper make the students enthusiasts about several ecological factors and estimation in life. A field study make the students concerned about conservation.

CORE P2: Ecology Lab: Practical course

There are many practical in this syllabus for better understanding of the subject, Ecology and Ecosystem and real exposure to the subject in details.

SEM-II

CORE T3-Non Chordates II-COELOMATES

The invertebrate world is so vast, it is quiet natural to divide in two successive parts: acoelomates and coelomates. Here remains the classification of coelomates phylum, various

peculiar / specialised features of them along with their evolutionary significance. In practical course students will be introduced with several museum specimens as identifying objects.

CORE P3: Non-chordate II Lab: Practical course

There are many practical in this syllabus for better understanding of the subject, non-chordata (specially Coelomates) and real exposure to the subject in details.

CORE T4-CELL BIOLOGY This area decipher the knowledge about cell; the structure and function of various cell organelles, dividing process, cell cycle, cell- signalling, so that it becomes clear that how a cell becomes the unit of life. It also gives the idea about cell death and special reference with some specialised genes which have a major role. Practically students equipped with preparation of cytological slides on cell division process.

CORE P4: Cell Biology Lab: Practical course

There are many practical in this syllabus for better understanding of the subject, Cell Biology and real exposure to the subject in details.

N.B.: Zoology (Honours) course in this college is started from 2022-23 session.