

FACULTY OF SCIENCE AND TECHNOLOGY - M.SC. ZOOLOGY (PG) PROGRAM
NEP 2020 SEMESTER PATTERN

SEM- I

Major Subject (Mandatory) DSC

01. Structure and function of Invertebrates.
02. General Physiology.
03. Cell Biology and Genetics.

Major Elective (Any one)

01. Bioinstrumentation , Bioinformatics and Biostatistics.
02. **Environmental science and Basic concepts of Ecology.**
03. Ecology and Environmental Pollution.
04. Medical Laboratory Techniques.
05. Basic Limnology.

Compulsory Paper (RM)

01. Research methodology

SEM- II

Major Subject (Mandatory)

01. Structure and Function of Vertebrates
02. Comparative Endocrinology.
03. Molecular Biology and Biotechnology

Major Elective (Any one)

01. Biology of Parasite.
02. Aquaculture and management.
03. **Applied Entomology.**
04. General and Applied Ichthyology.
05. Economic Zoology.

Compulsory Paper (RM)

01. On Job Training or Field Work

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SEM- III

Major Subject (Mandatory)

01. Parasitology and Immunology
02. Animal Physiology
03. Ecology and Environmental Biology

Major Elective (Any one)

01. Fish and Fisheries- I
02. Mammalian Reproductive Physiology- I
03. Fresh Water Zoology-I
04. **Industrial Entomology-I**
05. Applied Fresh Water Fisheries-I

Compulsory Paper (RM)

01. Research Project

SEM- IV

Major Subject (Mandatory)

01. Evolution and Genetics
02. Developmental Biology

Major Elective (Any one)

01. Fish and Fisheries-II
02. Mammalian Reproductive Physiology- II
03. Fresh Water Zoology-II
04. **Industrial Entomology-II**
05. Applied Fresh Water Fisheries-II

Compulsory Paper (RM)

01. Research Project