

GOVERNMENT ARTS COLLEGE FOR MEN
(Autonomous)
NANDANAM, CHENNAI – 600 035.



DEPARTMENT OF ZOOLOGY (AQUACULTURE)

COURSE OUTCOME FOR
M.Sc. Degree Course in ZOOLOGY

Semester System

(Two Year PG Degree Course)

CHOICE BASED CREDIT SYSTEM

Effective from the Academic Year

2019 - 2020

**GOVERNMENT ARTS COLLEGE FOR MEN (AUTONOMOUS), NANDANAM,
CHENNAI - 600035.**

COURSE: M.Sc. ZOOLOGY

OUTCOME:

M.Sc. Zoology

(For candidates joining the course from the academic year 2019 - 2020 onwards)

| PART | COURSE | CODE | TITLE | OUT COME |
|---------------------|--------------------|--------|--|---|
| SEMESTER I | | | | |
| Part -III | CORE COURSE I | 196701 | FUNCTIONAL MORPHOLOGY AND PHYLOGENY OF INVERTEBRATES | Acquiring knowledge on morphology and phylogeny of invertebrates. |
| Part - III | CORE COURSE II | 196702 | FUNCTIONAL MORPHOLOGY AND PHYLOGENY OF CHORDATES | Acquiring knowledge on morphology and phylogeny of vertebrates. |
| Part –III | CORE COURSE III | 196703 | CELL AND MOLECULAR BIOLOGY | To gain knowledge on cell structure and cellular activities |
| Part –III | CORE COURSE IV | 196704 | PRACTICAL I – INVERTEBRATES, CHORDATES, CELL & MOLECULAR BIOLOGY AND ENTOMOLOGY AND PEST MGMT. | To understand practical aspects of invertebrates, chordates, cell & molecular biology and entomology |
| Part –III | ELECTIVE I | 196721 | ENTOMOLOGY AND PEST MANAGEMENT | To obtain knowledge on insects and its management in human life |
| Part -IV | SOFT SKILLS I | 196001 | SOFT SKILLS I – Personal Excellence | |
| SEMESTER II | | | | |
| Part -III | CORE COURSE V | 196705 | BIOCHEMISTRY | Acquiring knowledge on biochemical process in living organisms |
| Part - III | CORE COURSE VI | 196706 | GENETICS AND EVOLUTION | To gain knowledge on genetics and its application in human life |
| Part –III | CORE COURSE VII | 196707 | PRACTICAL II – BIOCHEMISTRY, GENETICS, EVOLUTION AND BIOSTATISTICS | To understand practical aspects of biochemistry, genetics, evolution & biostatistics and its application. |
| Part –III | ELECTIVE II | 196722 | BIO STATISTICS | To gain knowledge on application of statistics in biology |
| Part –III | EXT. DIS. COURSE I | 196741 | ORNAMENTAL FISH CULTURE | To gain knowledge on ornamental fish culture |
| Part -IV | SOFT SKILLS II | 196002 | SOFT SKILLS II – Business communication | |
| SEMESTER III | | | | |
| Part -III | CORE COURSE VIII | 196708 | ANIMAL PHYSIOLOGY | To impart knowledge on physiological aspects of animal life |
| Part - III | CORE COURSE IX | 196709 | DEVELOPMENTAL BIOLOGY | To gain knowledge on developmental aspects of living organisms |
| Part –III | CORE COURSE X | 196710 | PRACTICAL III – ANIMAL PHYSIOLOGY | To gain practical knowledge in physiological activities in organisms |
| Part –III | CORE COURSE XI | 196711 | PRACTICAL IV – DEVELOPMENTAL BIOLOGY, IMMUNOLGY. | To understand practical aspects of developmental biology and immunology |
| Part –III | ELECTIVE III | 196723 | IMMUNOLOGY | To gain knowledge on immunity and infection in living organisms |

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| Part -III | EXT. DIS. COURSE II | 196742 | APICULTURE | To gain knowledge on honey bee rearing and culture aspects |
| Part -IV | SOFT SKILLS III | 196003 | SOFT SKILLS III – Team management | |
| Part –IV | | | INTERNSHIP | To gain hands on training for project works |
| SEMESTER VI | | | | |
| Part -III | CORE COURSE XII | 196712 | ENVIRONMENTAL BIOLOGY | To obtain knowledge on environment and solving environmental issues |
| Part - III | CORE COURSE XIII | 196713 | PRACTICAL V – ENVIRONMENTAL BIOLOGY, MICROBIOLOGY AND BIOTECHNOLOGY | To understand practical aspects of environmental biology, microbiology, biotechnology and its application |
| Part –III | CORE COURSE XIV | 196714 | PRACTICAL VI – AQUACULTURE | To gain practical knowledge on fish and other related aquatic animals & its culture |
| Part –III | CORE COURSE XV | 196715 | MICROBIOLOGY | To obtain knowledge on microbes and its role in organisms |
| Part –III | ELECTIVE IV | 196724 | AQUACULTURE | To develop manpower with scientific knowledge and skills for fish production |
| Part -III | ELECTIVE V | 196725 | BIOTECHNOLOGY | To understand tools and techniques involved in biotechnology |
| Part - IV | SOFT SKILLS IV | 196004 | SOFT SKILLS IV – Placement preparation | |