

GITHAM

COURSE : M.SC (BIOTECHNOLOGY)

FIRST YEAR :

CODE	SUBJECT
SPDBT101	Cell Biology and Genetics
SPDBT102	Biomolecules
SPDBT103	Biochemical Techniques and Biostatistics
SPDBT104	Enzymology and Metabolism
SPDBT105	Microbiology and Immunology
	Lab - I: Biochemical Analysis and Techniques
	Lab - II : Microbiology and Immunology

SECOND YEAR :

CODE	SUBJECT
SPDBT201	Molecular Biology
SPDBT202	Genetic Engineering
SPDBT203	Plant Biotechnology
SPDBT204	Animal and Medical Biotechnology
SPDBT205	Industrial and Environmental Biotechnology
	Lab - III: Molecular Biology & Genetic Engg.
	Lab - IV: Plant and Industrial Biotechnology
	Project work and viva-voce

ANU

COURSE: M.SC(BOTANY)

FIRST YEAR:

PAPER CODE

SUBJECT

DBOT01 BIOLOGY & DIVERSITY OF ALGAE
BRYOPHYTES PTERIDOPHYTES &
GYMNOSPERMS

DBOT02 SYSTEMATICS OF ANGIOSPERMS &
PLANT ECOLOGY

DBOT03 CYTOLOGY, GENETICS & PLANT BREEDING

DBOT04 PLANT PHYSIOLOGY & METABOLISM

LAB:

DBOTL01 PRATICAL-I : BASED ON DBOT 01 & DBOT 02 THEORY
PAPERS

DBOTL02 PRATICAL-II : BASED ON DBOT 03 & DBOT04 THEORY
PAPERS

COURSE: M.SC(BOTANY)

FINAL YEAR:

CODE

SUBJECT

DBOT21 DEVELOPMENT BIOLOGY OF
ANGIOSPERMS AND ELTHANOBOTANY

DBOT22 MICROBIOLOGY, MYCOLOGY AND PLANT
DISEASES

DBOT23 CELL BIOLOGY AND MOLECULAR BIOLOGY

DBOT24 PALNT BIOTECHNOLOGY

LABS:

DBOTL21 PRACTICAL –I : BASED ON DBOT21 & DBOT22
THEORY PAPERS

DBOTL22 PRACTICAL-II: BASED ON DBOT23 & DBOT24
THEORY PAPERS

COURSE: M.SC(ZOOLOGY)

FIRST YEAR:

PAPER CODE

SUBJECT

DZOO01

SYSTEMATICS & ANATOMY OF
INVERTEBRATES

DZOO02

SYSTEMATICS & ANATOMY OF
CHORDATES & GAMETE BIOLOGY

DZOO03

CELL BIOLOGY, GENETICS & EVOLUTION

DZOO04

ANIMAL ECOLOGY & WILDLIFE

LABS:

DZOOL01

PRACTICAL-I:ANATOMY OF INVERTEBRATES
AND ECOLOGY

DZOOL02

PRACTICAL-II:ANATOMY OF CHORDATES AND
GAMETE BIOLOGY

COURSE: M.SC(ZOOLOGY)

FINAL YEAR:

CODE

SUBJECT

DZOO21 ANIMAL PHYSIOLOGY

DZOO22 AQUACULTURE

DZOO23 PARASITOLOGY AND IMMUNOLOGY

DZOO24 BIOTECHNOLOGY

LABS:

DZOO21 PRACTICAL-I: ANIMAL PHYSIOLOGY,
PARASITOLOGY AND IMMUNOLOGY

DZOO22 PRACTICAL-II: AQUACULTURE

COURSE: M.SC(CHEMISTRY)

FIRST YEAR:

PAPER CODE	SUBJECT
DCHE01	GENERAL CHEMISTRY
DCHE02	INORGANIC CHEMISTRY
DCHE03	ORGANIC CHEMISTRY
DCHE04	PHYSICAL CHEMISTRY

LABS:

DCHEL01	PRACTICAL-I INORGANIC CHEMISTRY
DCHEL02	PRACTICAL-II ORGANIC CHEMISTRY
DCHEL03	PRACTICAL-III PHYSICAL CHEMISTRY

COURSE: M.SC(CHEMISTRY)

FINAL YEAR:

CODE	SUBJECT
DCHE21	ANALYTICAL CHEMISTRY
DCHE22	INORGANIC CHEMISTRY
DCHE23	ORGANIC CHEMISTRY
DCHE24	ENVIRONMENTAL CHEMISTRY

LABS:

DCHEL21	PRACTICAL-I: INORGANIC CHEMISTRY ENVIRONMENTAL CHEMICAL ANALYSIS
DCHE22	PRACTICAL-II: INSTRUMENTAL METHODS FOR ANALYSIS

COURSE: M.SC(PHYSICS)

FIRST YEAR:

PAPER CODE	SUBJECT
DPHY01	MATHEMATICAL PHYSICS
DPHY02	CLASSICAL MECHANICS & STATISTICAL MECHANICS
DPHY03	QUANTUM MECHANICS
DPHY04	ELECTRONICS

LABS:

DPHY01	PRACTICAL-I: GENERAL PRACTICAL
DPHY02	PRACTICAL-II: ELECTRONICS

COURSE: M.SC(PHYSICS)

FINAL YEAR:

CODE	SUBJECT
DPHY21	ELECTROMAGNETIC THEORY AND MODERN OPTICS NUCLEAR PHYSICS, MOLECULAR AND RESONANCE
DPHY22	NUCLEAR PHYSICS, MOLECULAR AND RESONANCE SPECTROSCOPY
DPHY23	SOLID STATE PHYSICS I
DPHY24	SOLID STATE PHYSICS II

LABS:

DPHYL21	PRACTICAL – I ; ELECTRONICS
DPHYL22	PRACTICAL – II : SOLID STATE PHYSICS

COURSE: M.SC(MICROBIOLOGY)

FIRST YEAR:

CODE	SUBJECT
DMB01	INTRODUCTION MICROORGANISMS
DMB02	MICROBIOLOGICAL METHODS
DMB03	MICROBIAL PSYYSIOLOGY &BIOCHEMISTRY
DMB04	ENVIRONMENTAL & AGRICULTURAL MICROBIOLOGY

LABS:

DMBL01	PRACTICAL-I:MICROBES &MICROBIOLOGICAL METHODS
DMBL02	PRACTICAL - II : MICROBIAL PHYSIOLOGY, ENVIRONMENTAL & AGRIULTURAL MICROBIOLOGY

COURSE: M.SC(MICROBIOLOGY)

FINAL YEAR:

CODE	SUBJECT
DMB21	MEDICAL MICROBIOLOGY
DMB22	IMMUNOLOGY AND CELLULAR MICRO- BIOLOGY
DMB23	MICROBIAL GENETICS AND MOLECULAR BIOLOGY
DMB24	FOOD & INDUSTRIAL MICROBIOLOGY

LABS:

DMBL21	PRACTICAL – I : MICROBIALGENETICS ,MOLECULAR BIOLOGY AND IMMUNOLOGY
DMBL22	PRACTICAL – II : MEDICAL FOOD & INDUSTRIAL MICROBIOLOGY

COURSE: M.SC(MATHEMATICS)

FIRST YEAR:

CODE	SUBJECT
DM01	ALGEBRA
DM02	ANALYSIS
DM03	COMPLEX ANALYSIS AND SPECIAL FUNCTIONS AND PARTIAL DIFFERENTIAL EQUATIONS
DM04	THEORY OF ORDINARY DIFFERENTIAL EQUATIONS

COURSE: M.SC(MATHEMATICS)

FINALYEAR:

CODE	SUBJECT
DM21	TOPOLOGY AND FUNCTIONAL ANALYSIS
DM22	MEASURE AND INTEGRATION
DM23	ANALYTICAL NUMBER THEORY AND GRAPH THEORY
DM24	RINGS AND MODULES

COURSE: M.SC(PSYCHOLOGY)

FIRST YEAR:

CODE	SUBJECT
DPSY01	GENERAL PSYCHOLOGY
DPSY02	DEVELOPMENT PSYCHOLOGY
DPSY03	PERSONALITY
DPSY04	SOCIAL PSYCHOLOGY

LABS:

PRACTIAL -I

COURSE: M.SC(PSYCHOLOGY)

FINAL YEAR:

CODE	SUBJECT
DPSY21	PHYCHOPATHOLOGY
DPSY22	RESEARCH METHODOLOGY
DPSY23	COUNSELLING
DPSY24	ORGANIZATIONAL PSYCHOLOGY

LABS:

PRACTICAL – II

COURSE: M.SC(STATISTICS)

FIRST YEAR:

CODE

SUBJECT

DMSTT01 PROBABILITY AND DISTRIBUTION
 THEORY

DMSTT02 STATISTICAL INFERENCE

DMSTT03 SAMPLING THEORY

DMSTT04 DESIGN OF EXPERIMENTS

LABS:

PRACTICAL -I

COURSE: M.SC(STATISTICS)

FINAL YEAR:

CODE

SUBJECT

DMSTT21 STATISTICAL QUALITY CONTROL

DMSTT22 OPERATIONS RESEARCH

DMSTT23 ECONOMETRICS

DMSTT24 MULTIVARIATE ANALYSIS

LABS:

PRACTICAL – II

COURSE: M.SC(COMPUTERS)

FIRST YEAR:

CODE	SUBJECT
DMCS01	DATA STRUCTURES
DMCS02	OBJECT ORIENTED PROGRAMMING
DMCS03	COMPUTER ORGANIZATION
DMCS04	DISCRETE MATHEMATICAL STRUCTURES
DMCS05	SOFTWARE ENGINEERING
DMCS06	DISTRIBUTED OPERATING SYSTEM
DMCS07	DATA BASE MANAGEMENT SYSTEMS
DMCS08	THEORY OF AUTOMATA AND FORMAL LANGUAGE
DMCS09	COMPUTER NETWORKS
DMCS010	DESIGN AND ANALYSIS OF ALGORITHMS

LABS:

DMCS11	DATA STRUCTURES LAB USING C++
DMCS012	OBJECT ORIENTED PROGRAMMING LAB IN JAVA
DMCS013	OS LAB
DMCS014	ORACLE LAB

COURSE: M.SC(COMPUTERS)

SECOND YEAR:

CODE	SUBJECT
DMCS21	USER INTERFACE DESIGN
DMCS22	COMPUTER GRAPHICS
DMCS23	OBJECT ORIENTED ANALYSIS & DESIGN
DMCS24A/	ADVANCED COMPUTER ARCHITECTURE/
DMCS24B	MICROPROCESSOR & NETWORK SECURITY
DMCS25A/	CRYPTOGRAPHY & NETWORKING SECURITY/
DMCS25B	TCP/IP
DMCS26	DATA WARE HOUSING & DATA MINING
DMCS27A/	EMBEDDED SYSTEMS/
DMCS27B	IMAGE PROCESSING
DMCS28A/	ARTIFICIAL INTELLIGENCE/
DMCS28B	COMPILER DESIGN

LABS:

09	NETWORKS LAB
10	VISUAL PROGRAMMING & WEB PROGRAMMING
11	PROJECT

COURSE: M.SC(INFORMATION TECHNOLOGY)

FIRST YEAR:

CODE	SUBJECT
DMSIT01	BASIC OF IT
DMSIT02	COMPUTRE NETWORKS
DMSIT03	COMPUTER ORGANIZATION
DMSIT04	DATA STRUCTURE WITH C
DMSIT05	OPERATING SYSTEMS
DMSIT06	DBMS

LABS:

DMSITL01	C LAB
DMSITL02	ORACLE LAB

COURSE: M.SC(INFORMATION TECHNOLOGY)

SECOND YEAR:

CODE	SUBLECT
DMSIT21	SOFTWARE ENGINEERING
DMSIT22	C++
DMSIT23	TCP/IP
DMSIT24	DATA MINING AND NETWORK SECURITY
DMSIT25	CRYPTOGRAPHY & NETWORK SECURITY
DMSIT26	ARTIFICAL INTILLIGENCE

LABS:

DMSITL21	JAVA LAB
DMSITL22	PROJECT

COURSE:

M.Sc. : Food and Nutritional Science

FIRST YEAR:

SUBJECTS :

Fundamentals of Food and Nutrition

Nutritional Biochemistry

Functional Foods

Institutional Food Service Management

Nutritional Biochemistry

Functional Foods

SECOND YEAR:

SUBJECTS :

Nutrition through life cycle

Nutritional assessment techniques

Clinical Nutrition and Dietetics

Diet therapy and counselling

Nutritional assessment techniques

Dietetics and Diet therapy

Food Chemistry and Chemical Analysis of Foods

Experimental Foods

Food Microbiology and Toxicology

Food Chemistry and Chemical Analysis of Foods

Experimental Foods and Food Microbiology

Food Safety and Quality Assurance