M. Sc (AQUATIC BIOLOGY) SEM 1

Name of Paper	Combination Code
LEVEL - I	
Aquatic resources and their management	1
LEVEL – II	
Instrumentation	1
LEVEL – III	
Aquatic microbiology	1
LEVEL - VI	
Planktonology	1
LEVEL – V	
Water analysis and instrumentation (practical)	1
LEVEL - VI	
Study of plankton and microbiology (practical)	1

M. Sc (AQUATIC BIOLOGY) SEM 2

Name of Paper	Combination Code
LEVEL – I	
Fish nutrition, biochemistry and feed technology	1
LEVEL – II	
Fish genetics & biotechnology	1
LEVEL – III	
Aquatic pollution & toxicology	1
LEVEL – IV	
Fisheries legislation	1
LEVEL – V	
Biochemistry, genetics & biotechnology (practical)	1
LEVEL – VI	
Aquatic pollution & fisheries (practical)	1

M. SC. (AQUATIC BIOLOGY) SEM 3

Name of Paper	Combination Code
LEVEL – I	
Fish Physiology and Endocrinology	1
LEVEL – II	
Biostatistics, Economics, Extension Education and Computer Application	1
LEVEL – III	
Fisheries Technology – I	1
LEVEL – IV	
Fisheries Technology – II	1
LEVEL – V	
Fish Physiology, Biostatistics and Computer Application (Practical)	1
LEVEL – VI	
Fisheries Technology (Practical)	1

M. SC. (AQUATIC BIOLOGY) SEM 4

Name of Paper	Combination Code
LEVEL – I	
Diseases and Management	1
LEVEL – II	
Animal Aquaculture I	1
LEVEL – III	
Animal Aquaculture II	1
LEVEL – IV	
Plant Aquaculture	1
LEVEL – V	
Aquaculture Management (Practical)	1
LEVEL – VI	
Placement and Training (Practical)	1

M. Sc (BOTANY) SEM 1

Name of Paper	Combination Code
LEVEL – I	
Diversity and Classification of Bacteria and Algae	1
LEVEL – II	
Lichen & Bryophta	1
LEVEL – III	
Plant Anatomy and Embryology	1
LEVEL – IV	
Biostatistics, Computer Application & Botanical Techniques	1
LEVEL – V	
Practical	1

M. Sc (BOTANY) SEM 2

Name of Paper	Combination Code
LEVEL – I	
Diversity and Classification of Virus and Fungi	1
LEVEL – II	
Pteridophyta & Gymnosperms Including Fossils	1
LEVEL – III	
Horticulture & Plant Pathology	1
LEVEL – IV	
Taxonomy of Angiosperms	1
LEVEL – V	
Practical	1

M. SC. (BOTANY) SEM 3

Name of Paper	Combination Code
LEVEL – I	
Plant Physiology	1
LEVEL – II	
Economics Botany & Applied Botany	1
LEVEL – III	
Genetics, Biotechnology & Bioinformatics	1
LEVEL – IV	
Cell Biology	1
LEVEL – V	
Practical	1

M. SC. (BOTANY) SEM 4

Name of Paper	Combination Code
LEVEL – I	
Ecology & Environment	1
LEVEL – II	
Phytogeography, Ethnobotany & Forest Botany	1
LEVEL – III	
Biochemistry & Phytochemistry	1
LEVEL – IV	
Elective Special Paper: Angiosperms Systematics	1
LEVEL – V	
Practical	1

M. Sc (CHEMISTRY) SEM 1

Name of Paper	Combination Code
LEVEL – I	
Inorganic chemistry	1
LEVEL – II	
Organic chemistry	1
LEVEL – III	
Physical chemistry	1
LEVEL – IV	
Instrumental & chemical analysis	1
LEVEL - V	
Practicals	1

M. Sc (CHEMISTRY) SEM 2

Name of Paper	Combination Code
LEVEL – I	
Inorganic chemistry	1
LEVEL – II	
Organic chemistry	1
LEVEL – III	
Physical chemistry	1
LEVEL – IV	
Recent Trends in Chemistry	1
LEVEL - V	
Practicals	1

M. SC. (ANALYTICAL CHEMISTRY) SEM 3

Name of Paper	Combination Code
LEVEL – I	
Electroanalytical Techniques	1
LEVEL – II	
Spectroscopy	1
LEVEL – III	
Electroanalytical Techniques	1
LEVEL – IV	
Applied Analysis	1
LEVEL – V	
Practical	1

M. SC. (ANALYTICAL CHEMISTRY) SEM 4

Name of Paper	Combination Code
LEVEL – I	
Advance Analytical Techniques	1
LEVEL – II	
Spectroscopy	1
LEVEL – III	
Separation Techniques	1
LEVEL – IV	
Applied Analysis	1
LEVEL – V	
Practical	1

M. SC. (INORGANIC CHEMISTRY) SEM 3

Name of Paper	Combination Code
LEVEL – I	
Inorganic Chemistry	1
LEVEL – II	
Spectroscopy	1
LEVEL – III	
Electroanalytical Techniques	1
LEVEL – IV	
Coordination Chemistry (Special Paper)-I	1
LEVEL – V	
Practical	1

M. SC. (INORGANIC CHEMISTRY) SEM 4

Name of Paper	Combination Code
LEVEL – I	
Inorganic Chemistry	1
LEVEL – II	
Spectroscopy	1
LEVEL – III	
Separation Techniques	1
LEVEL – IV	
Coordination Chemistry (Special Paper)-I	1
LEVEL – V	
Practical	1

M. SC. (ORGANIC CHEMISTRY) SEM 3

Name of Paper	Combination Code
LEVEL – I	
Chemistry of Natural Product	1
LEVEL – II	
Instrumental Techniques & Analysis	1
LEVEL – III	
Chemistry In Industry	1
LEVEL – IV	
Medicinal Chemistry-I	1
Dyes And Intermediates - I	2
LEVEL – V	
Practical	1

M. SC. (ORGANIC CHEMISTRY) SEM 4

Name of Paper	Combination Code
LEVEL – I	
Theoretical Organic Chemistry	1
LEVEL – II	
Industrial Chemicals And Processes	1
LEVEL – III	
Rearrangements & Synthetic Approach	1
LEVEL – IV	
Medicinal Chemistry-II	1
Dyes And Intermediates - II	2
LEVEL – V	
Practical	1

M. SC. (PHYSICAL CHEMISTRY) SEM 3

Name of Paper	Combination Code
LEVEL – I	
Physical Chemistry : Core Course	1
LEVEL – II	
Spectroscopy	1
LEVEL – III	
Electroanalytical Techniques	1
LEVEL – IV	
Polymer Chemistry – Special Paper 1	1
LEVEL – V	
Practical	1

M. SC. (PHYSICAL CHEMISTRY) SEM 4

Name of Paper	Combination Code
LEVEL – I	
Physical Chemistry : Core Course	1
LEVEL – II	
Spectroscopy	1
LEVEL – III	
Separation Techniques	1
LEVEL – IV	
Polymer Chemistry – Special Paper 2	1
LEVEL – V	
Practical	1

M. Sc (INDUSTRIAL, PHARMACEUTICAL AND ENVIRONMENTAL CHEMISTRY)

(SELF FINANCE) SEM 1

Name of Paper	Combination Code
LEVEL – I	
Inorganic chemistry	1
LEVEL – II	
Organic chemistry	1
LEVEL – III	
Physical chemistry	1
LEVEL – IV	
Instrumental & Chemical Analysis	1
LEVEL – V	
Practical	1

M. Sc (INDUSTRIAL, PHARMACEUTICAL AND ENVIRONMENTAL CHEMISTRY)

(SELF FINANCE) SEM 2

Name of Paper	Combination Code
LEVEL – I	
Inorganic chemistry	1
LEVEL – II	
Organic chemistry	1
LEVEL – III	
Physical chemistry	1
LEVEL – IV	
Recent Trends in Chemistry	1
LEVEL – V	
Practical	1

M. SC. (ENVIRONMENT CHEMISTRY)
(SELF FINANCE) SEM 3

Name of Paper	Combination Code
LEVEL – I	
Chemistry in Industry	1
LEVEL – II	
Water : Pollution and Analysis	1
LEVEL – III	
Waste, Waste Management, Environmental Biology	1
LEVEL – IV	
Global Atmosphere, Chemical Toxicology & Environmental Chemical Analysis	1
LEVEL – V	
Practical	1

M. SC. (ENVIRONMENT CHEMISTRY)
(SELF FINANCE) SEM 4

Name of Paper	Combination Code
LEVEL – I	
Chemistry in Industry	1
LEVEL – II	
Air : Pollution and Analysis	1
LEVEL – III	
Waste, Waste Management, Environmental Biology - II	1
LEVEL – IV	
Energy Agriculture & Environment	1
LEVEL – V	
Practical	1

M. SC. (INDUSTRIAL CHEMISTRY)
(SELF FINANCE) SEM 3

Name of Paper	Combination Code
LEVEL – I	
Chemistry in Industry	1
LEVEL – II	
Dyes and Drugs	1
LEVEL – III	
Petroleum and Polymers	1
LEVEL – IV	
Rearrangements & Synthetic Approach	1
LEVEL – V	
Practical	1

M. SC. (INDUSTRIAL CHEMISTRY)
(SELF FINANCE) SEM 4

Name of Paper	Combination Code
LEVEL – I	
Chemistry in Industry – II	1
LEVEL – II	
Drugs	1
LEVEL – III	
Petroleum	1
LEVEL – IV	
Theoretical Organic Chemistry	1
LEVEL – V	
Practical	1

M. SC. (PHARMACEUTICAL CHEMISTRY) (SELF FINANCE) SEM 3

Name of Paper	Combination Code
LEVEL – I	
Chemistry in Industry	1
LEVEL – II	
Synthetic Drugs	1
LEVEL – III	
Drug Metabolism, Pharmacokinetics and Pharmacognosy	1
LEVEL – IV	
Rearrangements & Synthetic Approach	1
LEVEL – V	
Practical	1

M. SC. (PHARMACEUTICAL CHEMISTRY) (SELF FINANCE) SEM 4

Name of Paper	Combination Code
LEVEL – I	
Chemistry in Industry	1
LEVEL – II	
Synthetic Drugs – II	1
LEVEL – III	
Drug Metabolism, Pharmacokinetics and Pharmacognosy – II	1
LEVEL – IV	
Theoretical Organic Chemistry	1
LEVEL – V	
Practical	1

M. SC. (ORGANIC CHEMISTRY)
(SELF FINANCE) SEM 3

Name of Paper	Combination Code
LEVEL – I	
Chemistry of Natural Products	1
LEVEL – II	
Instrumental Techniques & Analysis	1
LEVEL – III	
Chemistry in Industry	1
LEVEL – IV	
Medical Chemistry – I	1
Dyes and Intermediates - I	2
LEVEL – V	
Practical	1

M. SC. (ORGANIC CHEMISTRY)
(SELF FINANCE) SEM 4

Name of Paper	Combination Code
LEVEL – I	
Theoretical Organic Chemistry	1
LEVEL – II	
Industrial Chemicals and Processes	1
LEVEL – III	
Rearrangements & Synthetic Approach	1
LEVEL – IV	
Medical Chemistry – II	1
Dyes and Intermediates - II	2
LEVEL – V	
Practical	1

M. Sc (ELECTRONICS) SEM 1

Name of Paper	Combination Code
LEVEL – I	
Mathematical Methods	1
LEVEL – II	
Microcontroller and its Applications	1
LEVEL – III	
Measurement, Instrumentation and Experimental Planning	1
LEVEL – IV	
'C' and CAD for Electronics	1
LEVEL – V	
Practical	1

M. Sc (ELECTRONICS) SEM 2

Name of Paper	Combination Code
LEVEL – I	
Digital Signal Processing	1
LEVEL – II	
Op Amp & Circuit Designing	1
LEVEL – III	
Electromagnetic Fields and Waves	1
LEVEL – IV	
Electronic Communication – I	1
LEVEL – V	
Practical	1

M. SC. (ELECTRONICS) SEM 3

Name of Paper	Combination Code
LEVEL – I	
Microwave	1
LEVEL – II	
Optoelectronics	1
LEVEL – III	
Solid State Devices	1
LEVEL – IV	
Instrumentation	1
LEVEL – V	
Practical	1

M. SC. (ELECTRONICS) SEM 4

Name of Paper	Combination Code
LEVEL – I	
Laser and its Applications	1
LEVEL – II	
Integrated Circuit Technology	1
LEVEL – III	
Analog & Digital Electronics	1
LEVEL – IV	
Electronic Communication - II	1
LEVEL – V	
Practical	1

M. Sc (MATHEMATICS) SEM 1

Name of Paper	Combination Code
LEVEL – I	
Real Analysis – I	1
LEVEL – II	
Complex Analysis – I	1
LEVEL – III	
Topology – I	1
LEVEL – IV	
Abstract Algebra – I	1
LEVEL – V	
Ordinary Differential Equations - I	1
LEVEL – VI	
Numerical Analysis – I	1

M. Sc (MATHEMATICS) SEM 2

Name of Paper	Combination Code
LEVEL – I	
Real Analysis – II	1
LEVEL – II	
Complex Analysis – II	1
LEVEL – III	
Topology – II	1
LEVEL – IV	
Abstract Algebra – II	1
LEVEL – V	
Ordinary Differential Equations - II	1
LEVEL – VI	
Numerical Analysis – II	1

M. SC. (MATHEMATICS) SEM 3

Name of Paper	Combination Code
LEVEL – I	
Functional Analysis – I	1
LEVEL – II	
Differential Equations	1
LEVEL – III	
Calculus of Variations	1
LEVEL – IV	
Advanced Linear Algebra – I	1
LEVEL – V, LEVEL – VI	
GROUP – 1	
Fluid Dynamics	1
Mathematical Software (Practical)	2
GROUP – 2	
Linear programming (Practical)	5
Operations Research (Practical)	6
GROUP – 3	
Integral Transforms – I	7
Advanced Integral Transform – I	8
GROUP – 4	
Advanced Number Theory – I	15
Analytic Number Theory	16
GROUP – 5	
Special Functions – I	11
Advanced Special Functions - I	12

M. SC. (MATHEMATICS) SEM 4

Name of Paper	Combination Code
LEVEL – I	
Functional Analysis – II	1
LEVEL – II	
Differential Geometry	1
LEVEL – III	
Integral Equations	1
LEVEL – IV	
Advanced Linear Algebra – II	1
LEVEL – V, LEVEL – VI	
GROUP – 1	
Computational Fluid Dynamics (Practical)	1
Mathematical Modeling	2
GROUP – 2	
Non - Linear Programming (Practical)	5
Advanced Operations Research (Practical)	6
GROUP – 3	
Integral Transforms – II	7
Advance Integral Transforms – II	8
GROUP – 4	
Advanced Number Theory – II	9
Introduction to Partition Theory and Cryptography	10
GROUP – 5	
Special Functions – II	11
Advanced Special Functions – II	12

M. Sc (PHYSICS) SEM 1

Name of Paper	Combination Code
LEVEL – I	
Mathematical Methods of Physics	1
LEVEL – II	
Classical Mechanics	1
LEVEL – III	
Measurement, Instrumentation and Experimental Planning	1
LEVEL – IV	
General Electronics	1
LEVEL – V	
Practical	1

M. Sc (PHYSICS) SEM 2

Name of Paper	Combination Code
LEVEL – I	
Quantum Mechanics - I	1
LEVEL – II	
Solid State Physics	1
LEVEL – III	
Classical Electrodynamics	1
LEVEL – IV	
Numerical Analysis and Computer Programming	1
LEVEL – V	
Practical	1

M. Sc. (PHYSICS) SEM 3

Name of Paper	Combination Code
LEVEL – I	
Quantum Mechanics - II	1
LEVEL – II	
Nuclear and Particle Physics	1
LEVEL – III & LEVEL – IV	
Electronics	
Physics of Semiconductor Devices	1
Microcontroller and Applications	1
Material Science	
Crystal Growth and Characterizations	1
Advanced Materials Science	1
Theoretical Physics	
Non – Linear Systems and High Performance - Computing	1
Computational and Simulation methods in Physics	1
Nuclear Physics	
Nuclear Radiation Detection and Accelerators	1
Nuclear Reactions, Nuclear Energy and Nuclear Reactor Theory	1
LEVEL – V	
Practical	1

M. Sc. (PHYSICS) SEM 4

Name of Paper	Combination Code
LEVEL – I	
Physics of Lasers & Lasers Applications	1
LEVEL – II	
Atomic and Molecular Physics	1
LEVEL – III & LEVEL – IV	
Electronics	
Micro Electronics	1
Electronic Communication	1
Material Science	
Properties of Materials	1
Techniques of Materials Science	1
Theoretical Physics	
Advanced Quantum Mechanics	1
Group Theory and Quantum Field Theory	1
Nuclear Physics	
Nucleon – Nucleon Interaction & Nuclear Models	1
Strong, Weak Electro Magnetic Interaction & QCD & Quark – Gluon Plasma	1
LEVEL – V	
Practical	1

M. Sc. (BIOSCIENCE(BOTANY, MICROBIOLOGY & ZOOLOGY))
SEM 1

Name of Paper	Combination Code
LEVEL – I	
Advanced cell biology	1
LEVEL – II	
Genetics and molecular biology	1
LEVEL – III	
Enzymology and Toxicology	1
LEVEL – IV	
Environmental biology	1
LEVEL – V	
Practical Based on 101,102,103,104	1

M. Sc. (BIOSCIENCE(BOTANY, MICROBIOLOGY & ZOOLOGY))
SEM 2

Name of Paper	Combination Code
LEVEL – I	
Instrumentation and Techniques	1
LEVEL – II	
Biochemistry	1
LEVEL – III	
Biostatistics and Bioinformatics	1
LEVEL – IV	
BOTANY	
Plant Physiology	1
MICROBIOLOGY	
Microbial Physiology	2
ZOOLOGY	
Animal Physiology	3
LEVEL – V	
Practical Based on 201,202,203,204	1

M. Sc. (BIOSCIENCE (BOTANY)) SEM 3

Name of Paper	Combination Code
LEVEL – I	
Phycology & Mycology	1
LEVEL – II	
Virology, Bacteriology and Plant Pathology	1
LEVEL – III	
Bryology, Pterology and Gymnosperms	1
LEVEL – IV	
Medicinal Plants - I (Elective)	1
Plant Biotechnology – I (Elective)	2
LEVEL – V	
Practicals	1

M. Sc. (BIOSCIENCE (BOTANY))_SEM 4

Name of Paper	Combination Code
LEVEL – I	
Angiosperm Taxonomy	1
LEVEL – II	
Plant Anatomy & Histo-chemical Techniques	1
LEVEL – III	
Embryology, Palaentology and Palynology	1
LEVEL – IV	
Medicinal Plants - II (Elective)	1
Plant Biotechnology – II (Elective)	
LEVEL – V	
Practicals	1

M. Sc. (BIOSCIENCE (ZOOLOGY))_SEM 3

Name of Paper	Combination Code
LEVEL – I	
Taxonomy, Biosystematics and Nomenclature	1
LEVEL – II	
Structure and Function in invertebrates and vertebrates	1
LEVEL – III	
Histological and Functional Aspects of Human tissues	1
LEVEL – IV	
General Fisheries	1
LEVEL – V	
Practical	1

M. Sc. (BIOSCIENCE (ZOOLOGY))_SEM 4

Name of Paper	Combination Code
LEVEL – I	
Wildlife and Conservation Biology	1
LEVEL – II	
Animal Behavior	1
LEVEL – III	
Developmental Biology	1
LEVEL – IV	
Advances in Fish Technology	1
LEVEL – V	
Practical	1

M. Sc. (BIOSCIENCE (MICROBIOLOGY)) SEM 3

Name of Paper	Combination Code
LEVEL – I	
Microbial biodiversity	1
LEVEL – II	
Genetic and protein engineering	1
LEVEL – III	
Fermentation and Bioprocess Technology	1
LEVEL – IV	
Medical and Pharmaceutical Microbiology	1
LEVEL – V	
Practical	1

M. Sc. (BIOSCIENCE (MICROBIOLOGY))_SEM 4

Name of Paper	Combination Code
LEVEL – I	
Research Methodology and Professional Practices in Microbiology	1
LEVEL – II	
Omics and integrative biology	1
LEVEL – III	
Applied Microbiology	1
LEVEL – IV	
Project/Dissertation	1
LEVEL – V	
Practical	1

M. Sc (MICROBIOLOGY) SEM 1

Name of Paper	Combination Code
LEVEL – I	
Taxonomy, virology and cytology	1
LEVEL – II	
Molecular Biology & rDNA Technology	1
LEVEL – III	
Bioanalytical techniques and Instrumentation	1
LEVEL – IV	
Advances In Environmental Microbiology	1
LEVEL – V	
Practicals	1

M. Sc (MICROBIOLOGY) SEM 2

Name of Paper	Combination Code
LEVEL – I	
Microbial Physiology	1
LEVEL – II	
Bioinformatics & Other "OMICS"	1
LEVEL – III	
Enzyme Kinetics & Technology	1
LEVEL – IV	
Research methodology, Biostatistics and IPR	1
LEVEL – V	
Practicals	1

M. Sc. (MICROBIOLOGY) SEM 3

Name of Paper	Combination Code
LEVEL – I	
Fermentation Technology & Bioprocess Engineering	1
LEVEL – II	
Industrial Microbiology	1
LEVEL – III	
Molecular Pathogenesis and Immunology	1
LEVEL – IV	
Advances in Pharmaceutical Microbiology	1
LEVEL – V	
Practicals	1

M. Sc. (MICROBIOLOGY) SEM 4

Name of Paper	Combination Code
LEVEL – I	
Seminar Presentation	1
LEVEL – II	
Report on Industrial / Conference / Symposium visit	1
LEVEL – III	
Review Article	1
LEVEL – IV	
Project / Dissertation	1

M. Sc (STATISTICS) SEM 1

Name of Paper	Combination Code
LEVEL – I	
Real Analysis	1
LEVEL – II	
Univariate Distributions	1
LEVEL – III	
Linear Algebra	1
LEVEL – IV	
Sample Survey	1
LEVEL – V	
Computer Programming Language – "C"	1
LEVEL – VI	
Practical Paper –I based on theory papers using MS office tools	1

M. Sc (STATISTICS) SEM 2

Name of Paper	Combination Code
LEVEL – I	
Probability theory	1
LEVEL – II	
Estimation theory	1
LEVEL – III	
Multivariate analysis	1
LEVEL – IV	
Stochastic process	1
LEVEL – V	
Statistical quality control & reliability	1
LEVEL – VI	
Practical paper- II based on theory papers using ms office tools	1

M. Sc. (STATISTICS) SEM 3

Name of Paper	Combination Code
LEVEL – I	
Testing of Hypotheses	1
LEVEL – II	
Linear Models	1
LEVEL – III	
Operations Research - I	1
LEVEL – IV	
Mathematical Economics	1
LEVEL – V	
Introduction to Statistical Software	1
LEVEL – VI	
Practical – III	1

M. Sc. (STATISTICS) SEM 4

Name of Paper	Combination Code
LEVEL – I	
Decision Theory	1
LEVEL – II	
Design of Experiments	1
LEVEL – III	
Operations Research – II	1
LEVEL – IV	
Econometrics	1
LEVEL – V	
Practical – IV	1
LEVEL – VI	
Project	1