

T.Y.
EQUIVALENT COURSES OF F.Y., S.Y./B.Sc. AND M.Sc.

ZOOLOGY

F.Y.B.Sc. ZOOLOGY (THEORY)

Old courses corresponding to new courses

<u>Old Courses</u>	<u>New Courses</u>
Paper-I Sect. I Nonchordates Sect. II Chordates	Paper-I Sect. I Chordates & Nonchordates. Sect. II Parasitology.
Paper-II Sect. I Parasitology Sect. II Genetics.	Paper-II Sect. I Cell Biology. Sect. II Genetics.

S.Y.B.Sc. (ZOOLOGY) (THEORY)

<u>OLD COURSES</u>	<u>NEW COURSES</u>
Paper-I Sect. I Nonchordates-II Sect. II Chordates	Paper-I Sect. I Nonchordates-II and Chordates-II Sect. II Environmental Biology.
Paper-II Sect. I General Embryology Sect. II Mammalian Histology	Paper-II Sect. I Histology of Mammals. Sect. II Mammalian Physiology.

T.Y.B.Sc. (ZOOLOGY) (THEORY)

(Old and New Courses Same)

(New courses to be implemented from June 1994)

M.Sc. (ZOOLOGY) (THEORY)

<u>OLD COURSES</u>	<u>NEW COURSES</u>
<u>Semester-VII</u>	<u>Semester-I</u>
Paper-I ZO 701 a) Biochemistry b) Biostatistics	Paper-I ZO 701 a) Biochemistry b) Pollution Biology.
Paper-II ZO 702 Nonchordates	Paper-II ZO 702 Nonchordates.
Paper-III ZO 703 a) Environmental Biology b) Writing Science Report and oral presentation.	Paper-III ZO 703 a) Biostatistics b) Environmental Biology

SEMESTER-VIII

Paper-I ZO 801
 a) Developmental and function anatomy of chordates.
 b) Comparative Physiology

Paper-II ZO 802
 Cellular and Developmental Biology

Paper-III ZO 803
 a) Cellular and Molecular Biology
 b) Genetics

SEMESTER IX

Paper-I Any one special subject of following.

ZO 920 Developmental Biology-I
 ZO 921 Entomology I
 ZO 922 Physiology I

Paper-II ZO 902
 a) Enzymology or Freshwater Biology
 b) Biophysics or Parasitology

Paper-III Any two of following
 ZO 930 Endocrinology
 ZO 932 Applied Entomology.

SEMESTER-

Paper-I Any one
 ZO 021 Entomology II
 ZO 022 Physiology II

PAPER-II
 ZO 002(a) Physiology of reproduction or Terrestrial Ecology.
 ZO 002(b) Genetic Toxicology or Pest Control.

Paper-III Any two of following.
 ZO 028 Insect Physiology
 ZO 034 Ichthyology
 ZO 037 Histochemistry

SEMESTER-II

Paper-I ZO 801
 a) Same as Old.
 b) Same as Old.

Paper-II ZO 802
 Same as Old.

Paper-III ZO 803
 a) Molecular Biology and Biotechnology
 b) Genetics.

SEMESTER 3

Paper- I Any one special subject of following.

ZO 306 Developmental Biology
 ZO 307 Entomology I
 ZO 308 Physiology I

Paper-II ZO 321
 a) as old
 b) as old

Paper-III Any two of following
 ZO 330 Endocrinology
 ZO 332 Applied Entomology.

SEMESTER-IV

Paper-I Any one
 ZO 407 Entomology II
 ZO 408 Physiology II

PAPER-II
 ZO 421 (a) Physiology of reproduction or Terrestrial ecology
 ZO 421(b) Genetic Toxicology or Pest control.

Paper-III Any two of following.
 ZO 428 Insect Physiology.
 ZO 434 Ichthyology.
 ZO 437 Histochemistry.

EQUIVALENT COURSES OF F.Y., S.Y.B.Sc. AND M.Sc.

MATHEMATICS

I) F.Y.B.Sc.

Old Course - Equivalence - New Course

Paper-I Analytical Geometry - Paper-III (A) Geometry
Paper-II Calculus - Paper-I Calculus.
Paper-III Matrices & Diff.Eqn. - Paper-II Matrices and Diff.
Equations.

II) S.Y.B.Sc.

Old Course Equivalence - New Course

Paper-I Algebra Paper-II Algebra.
Paper-II Calculus of Several - Paper-I Calculus of
variables & Functions of variables and functions
of complex variables. of complex variable.
Paper-III(A) Differential - Paper-III(A) Mathematical,
Equations & Vector Calculus Methods.
Paper-III(B) Mathematical - Paper-III(B) Mathematical
Methods. Methods.

III) F.Y.B.Sc.(COMPUTER SCI.) MATHEMATICS.

Old course Equivalence New course (F.Y.B.Sc.)
Paper-I Discrete Mathematics - Paper-III(B) Discrete
Mathematics.
Paper-II Algebra - Paper-II Matrices and
Differential equations.
Paper-III Calculus. - Paper-I Calculus.

IV) S.Y.B.Sc. (COMPUTER SCI.) MATHEMATICS.

Old Course Equivalence New Course.
Paper-I Linear Algebra & - Paper-II Algebra.
Computational Geometry.
Paper-II Numerical Methods - Paper-III(B) Computational
& Operations research. Mathematics.
Paper-III Mathematics Practical - Paper-I Calculus of
Several variables and
functions of complex
variables.

F.Y. & S.Y. COMPUTER SCIENCE OLD & NEW SYLLABUS

F.Y.OLD SYLLABUS

Paper-I Introduction to computers -
& Data Structure-

F.Y. NEW SYLLABUS

Paper-I - Introduction to
Computers & Dbase-III +
& Packages.

Paper-II

Introduction to programming
Pascal I & II

Paper-III

Lab work
(Practicals on PASCAL programming & Data structure using PASCAL.

S.Y.B.Sc. OLD SYLLABUS

Paper-I
programming in COBOL
& system Analysis

Paper-II
Data structure-II and
C & Assembly programming.

Paper-III
Lab work.
(Practicals on Data Structure using PASCAL, COBOL programming C & Assembly Programming.

M.Sc. NEW COURSE

- MT 101 - Advanced Calculus.
- MT 102 - Topology
- MT 103 - Complex Analysis
- MT 104 - Algebra
- MT 105 - Boundary Value Problems.

Paper-II

Programming in C (I & II)

Paper-III

Lab work
(Practicals-C programming D Base-III +, Lotus, wordstar

NEW SYLLABUS

Paper-I
Programming in COBOL and
System Analysis.

Paper-II
Data Structure I & II

Paper-III
Lab work.
(Practicals on COBOL Programming-II & Data structures using C)

OLD COURSE

- MT 101 - Advanced Calculus.
- MT 102 - Topology-I
- MT 204 - Complex Analysis.
- MT 103 - Algebra-I
- MT 105 - Classical Mechanics.