

M.A./M.Sc. Course in Statistics

(Total marks=1600)

Syllabus for Semester System implemented from 2010-11

(There will be a total of four semesters, each of 400 marks, including three papers carrying 100 marks each and a practical carrying 100 marks in each semester)

The Theory question papers will consist of three sections:

Section A will consist of six multiple choice/ fill in the blanks/short type (not more than one line) questions out of which five have to be attempted. Each question will carry two marks.

Section B will consist of six short type questions out of which five have to be attempted. Each question will carry ten marks. Section C will consist of three long type questions out of which two are to be attempted. Each question will carry twenty marks.

Semester-wise Distribution of subjects with marks:

SEMESTER I

PAPER 1	PROBABILITY THEORY	- 100 marks
PAPER 2	ADVANCED ANALYSIS AND MATRIX THEORY	- 100 marks
PAPER 3	STATISTICAL METHODS	- 100 marks
PAPER 4	PRACTICAL	-100 marks

Total Marks=400

SEMESTER II

PAPER 1	SAMPLING THEORY	-100 marks
PAPER 2	LINEAR ESTIMATION AND DESIGN OF EXPERIMENT	-100 marks
PAPER 3	STATISTICAL INFERENCE	-100 marks
PAPER 4	PRACTICAL	-100 marks

Total Marks=400

SEMESTER III

PAPER 1	MULTIVARIATE ANALYSIS	-100 marks
PAPER 2	BIOINFORMATICS	-100 marks
PAPER 3	REGRESSION ANALYSIS AND TIME SERIES	-100 marks
PAPER 4	PRACTICAL	-100 marks

Total Marks=400

SEMESTER IV

PAPER 1	STOCHASTIC PROCESS AND RELIABILITY THEORY	-100 marks
PAPER 2	STATISTICAL COMPUTING	-100 marks
PAPER 3	PROJECT WORK (DISSERTATION)/OPTIONAL PAPER	-100 marks

Students not opting for the Project Work (Dissertation) will have to attempt one of the following papers:

(a)	OPERATIONS RESEARCH	-100 marks
(b)	ECONOMIC STATISTICS AND DEMOGRAPHY	-100 marks
	and ECONOMETRICS	-100 marks
(d)	ACTUARIAL STATISTICS	-100 marks
PAPER 4	PRACTICAL-100 marks	

Total Marks=400