

Syllabus of M.A./M.Sc. Programme in Statistics under Choice Based Credit

System (CBCS) (Semesterwise) from the Academic year 2011-12

Course Structure and Scheme of Examination for Semester I, II, III and IV.

Semester – I

Sl. No.	Paper Code No. and Title	Credits	No. of hrs/week theory/practical	Duration of Exam in hrs. theory/practical	Internal assessment marks theory/practical	Marks At the Exams	Total marks
1	HCT 1.1: Linear Algebra	4	4	3	20	80	100
2	HCT 1.2: Probability Theory	4	4	3	20	80	100
3	HCT 1.3: Estimation Theory	4	4	3	20	80	100
4	SCT 1.1: Statistical Quality Control	4	4	3	20	80	100
Practicals							
1	HCP 1.1: Comp.Prog.in C Lang.with Stat.Applns-I	2	4	2	10	40	50
2	HCP 1.2: Comp.Prog.in C Lang.with Stat.Applns-II	2	4	2	10	40	50
3	HCP 1.3: Based on HCT 1.1 &HCT 1.3	2	4	2	10	40	50
4	SCP 1.1: Based on SCP 1.1	2	4	2	10	40	50

- 2 -
Semester - II

Sl. No.	Paper Code No. and Title	Credits	No. of hrs/week theory/practical	Duration of Exam in hrs. theory/practical	Internal assessment marks theory/practical	Marks At the Exams	Total marks
1	HCT 2.1: Distribution Theory	4	4	3	20	80	100
2	HCT 2.2: Testing of Hypothesis	4	4	3	20	80	100
3	SCT 2.1: Reliability Theory	4	4	3	20	80	100
4	OET 2.1: Basic Statistics	4	4	3	20	80	100
Practicals							
1	HCP 2.1: Based on HCT 2.1	2	4	2	10	40	50
2	HCP 2.2: Based on HCT 2.2	2	4	2	10	40	50
3	SCP 2.1: Based on SCT 2.1	2	4	2	10	40	50
4	OEP 2.1: Based on OET 2.1	2	4	2	10	40	50

- 3 -
SEMESTER III

Sl. No.	Paper Code No. and Title	Credits	No. of hrs/week theory/practical	Duration of Exam in hrs. theory/practical	Internal assessment marks theory/practical	Marks At the Exams	Total marks
1	HCT 3.1: Stochastic Processes	4	4	3	20	80	100
2	HCT 3.2: Design & Analysis of Experiments	4	4	3	20	80	100
3	SCT 3.1: Demography	4	4	3	20	80	100
	SCT 3.2: Econometrics	4	4	3	20	80	100
4	OET 3.1: Statistical Methods	4	4	3	20	80	100
Practicals							
1	HCP 3.1: Based on HCT 3.1	2	4	2	10	40	50
2	HCP 3.2: Based on HCT 3.2	2	4	2	10	40	50
3	SCP 3.1/3.2: Based on SCT 3.1 / 3.2	2	4	2	10	40	50
4	OEP 3.1: Based on OEP 3.1	2	4	2	10	40	50

- 4 -
SEMESTER-IV

Sl. No.	Paper Code No. and Title	Credits	No. of hrs/week theory/practical	Duration of Exam in hrs. theory/practical	Internal assessment marks theory/practical	Marks At the Exams	Total marks
1	HCT 4.1: Sampling Theory	4	4	3	20	80	100
2	HCT 4.2: Multivariate Analysis	4	4	3	20	80	100
3	SCT 4.1 Operations Research	4	4	3	20	80	100
	SCT 4.2 Time Series Analysis	4	4	3	20	80	100
4	HCT 4.3: Major Project	6	4	3	30	120	150
Practicals							
1	HCP 4.1: Based on HCT 4.1	2	4	4	10	40	50
2	HCP 4.2: Based on HCT 4.2	2	4	4	10	40	50
3	SCP 4.1/4.2: Based on SCT 4.1/4.2	2	4	4	10	40	50