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

	Credits	No. of	Duration	Internal	Marks	Total
Title		hrs/week	of	assessme	At the	marks
			Exam in	nt marks	Exams	
		practical				
			~ ~	practical		
TIOTE 4.4	4	4		20	00	100
- : :	4	4	3	20	80	100
,						
HCT 1.2:	4	4	3	20	80	100
Probability Theory						
HCT 1.3: Estimtion	4	4	3	20	80	100
Theory						
SCT 1.1:	4	4	3	20	80	100
Statistical Quality						
Control						
		Practicals				
HCP 1.1:	2	4	2	10	40	50
Comp.Prog.in C						
Stat.Applns-I						
HCP 1.2:	2	4	2	10	40	50
Comp.Prog.in C						
C						
HCP 1.3:	2	4	2	10	40	50
Based on HCT 1.1						
&HCT 1.3						
SCP 1.1:	2	4	2	10	40	50
Based on SCP 1.1						
	HCT 1.1: Linear Algebra HCT 1.2: Probability Theory HCT 1.3: Estimtion Theory SCT 1.1: Statistical Quality Control HCP 1.1: Comp.Prog.in C Lang.with Stat.Applns-I HCP 1.2: Comp.Prog.in C Lang.with Stat.Applns-II HCP 1.3: Based on HCT 1.1 &HCT 1.3 SCP 1.1:	HCT 1.1: Linear Algebra HCT 1.2: Probability Theory HCT 1.3: Estimtion Theory SCT 1.1: Statistical Quality Control HCP 1.1: Comp.Prog.in C Lang.with Stat.Applns-I HCP 1.2: Comp.Prog.in C Lang.with Stat.Applns-II HCP 1.3: Based on HCT 1.1 &HCT 1.3 SCP 1.1: 2	HCT 1.1: Linear Algebra HCT 1.2: Probability Theory HCT 1.3: Estimtion Theory SCT 1.1: Statistical Quality Control Practicals HCP 1.1: Comp.Prog.in C Lang.with Stat.Applns-I HCP 1.2: Comp.Prog.in C Lang.with Stat.Applns-II HCP 1.3: Based on HCT 1.1 & HCT 1.3 Based on HCT 1.1 & HCT 1.3 SCP 1.1: 2 4 4 4 4 4 4 4 4 4 4 4 4 4	theory/ practical Exam in hrs. theory/practical	theory/practical hrs. theory/practical actical hrs. theory/practical hrs. theory/practical hrs. theory/practical hrs. theory hrs. theory	theory/practical Exam in hrs. theory/practical Exams HCT 1.1:

- 2 -Semester - II

Sl.	Paper Code No.	Credits	No. of	Duration of	Internal	Marks	Total
No.		Credits	hrs/week	Exam in hrs.	assessment	At the	marks
			theory/	theory/practical	marks	Exams	
			practical		theory/		
					practical		
1	HCT 2.1:	4	4	3	20	80	100
	Distribution						
	Theory						
2	HCT 2.2:	4	4	3	20	80	100
	Testing of						
	Hypothesis						
3	SCT 2.1:	4	4	3	20	80	100
	Reliability		-				
	Theory						
4	OET 2.1:	4	4	3	20	80	100
7	Basic	–	7	3	20	00	100
	Statistics						
			_				
			Prac	ticals			
1	HCP 2.1:	2	4	2	10	40	50
	Based on HCT						
	2.1						
2	HCP 2.2:	2	4	2	10	40	50
4			4	2	10	40	50
	Based on HCT						
	2.2						
3	SCP 2.1: Based	2	4	2	10	40	50
	on SCT 2.1						
4	OEP 2.1:	2	4	2	10	40	50
	Based on OET						
	2.1						
	4 •1						L

- 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	4	4	3	20	80	100
	Processes						
2	HCT 3.2:	4	4	3	20	80	100
	Design &						
	Analysis of						
	Experiments						
	SCT 3.1:	4	4	3	20	80	100
3	Demography						
	SCT 3.2:	4	4	3	20	80	100
	Econometrics						
4	OET 3.1:	4	4	3	20	80	100
	Statistical						
	Methods						
			Pr	<u>acticals</u>			
1	HCP 3.1:	2	4	2	10	40	50
	Based on						
	HCT 3.1						
2	HCP 3.2:	2	4	2	10	40	50
	Based on						
	HCT 3.2						
3	SCP 3.1/3.2:	2	4	2	10	40	50
	Based on						
	SCT 3.1 / 3.2						
4	OEP 3.1:	2	4	2	10	40	50
	Based on						
	OEP 3.1						

- 4 -SEMESTER-IV

Sl.	Paper Code No.	Credits	No. of	Duration	Internal	Marks	Total
No.	and Title	Credits	hrs/week	of	assessment	At the	marks
110.	and Title		theory/	Exam in	marks	Exams	iliai KS
			practical	hrs.	theory/	Launs	
			P	theory/pra	practical		
				ctical	•		
1	HCT 4.1:	4	4	3	20	80	100
	Sampling						
	Theory						
2	•	4	4	2	20	00	100
2	HCT 4.2:	4	4	3	20	80	100
	Multivariate						
	Analysis						
	SCT 4.1	4	4	3	20	80	100
	Operations						
3	Research						
	SCT 4.2	4	4	3	20	80	100
	· ·	-	7	3	20	00	100
	Time Series						
	Analysis						
4	HCT 4.3:	6	4	3	30	120	150
	Major						
	Project						
	Troject		Practical	l _C	1		
			TTACICA	15			
1	HCP 4.1:	2	4	4	10	40	50
	Based on						
	HCT 4.1						
2	HCP 4.2:	2	4	4	10	40	50
4		4	4	4	10	40	30
	Based on						
	HCT 4.2						
3	SCP 4.1/4.2:	2	4	4	10	40	50
	Based on						
	SCT 4.1/4.2						
	SCT 4.1/4.2						