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कक्षा : B. Sc. III		पाठ्यक्रम योजना : सत्र 2015–2016		विषय : STATISTICS	
दिनांक	व्याख्यान	प्राध्यापक का नाम	प्रश्नपत्र	अध्याय	शीर्षक
16-7-15	1	A. K. Rao	I	Demographic Methods	Mortality
20-7-15	2	A. K. Rao	I	Demographic Methods	CDR
20-7-15	1	SMT	II	Convex Sets	Def. of Convex set
21-7-15	1	A. K. Rao	II	Reliability Theory	Def. of Reliability
21-7-15	2	A. K. Rao	II	Convex Sets	Vertex of a Convex set
22-7-15	1	A. K. Rao	III	Multivariate Analysis	Normal distribution
23-7-15	1	A. K. Rao	IV	Point Estimation	Completeness
24-7-15				Class Teaching	
25-7-15	3	A. K. Rao	I	Demographic Methods	SDR
27-7-15	4	A. K. Rao	I	Demographic Methods	Age – Specific D.R
27-7-15	3	SMT	II	Convex Sets	Convex cone
28-7-15	2	A. K. Rao	II	Reliability Theory	Survival function
28-7-15	4	SMT	II	Convex Sets	Convex hull
29-7-15	2	A. K. Rao	III	Multivariate Analysis	Marginal distribution
30-7-15	2	A. K. Rao	IV	Point Estimation	Sufficiency
31-7-15				Class Teaching	
1-8-15	5	A. K. Rao	I	Demographic Methods	IMR
3-8-15	6	A. K. Rao	I	Demographic Methods	Complete life table
3-8-15	5	SMT	II	Convex Sets	Hyperplanes
4-8-15	3	A. K. Rao	II	Reliability Theory	Maintainability
4-8-15	6	SMT	II	Convex Sets	Convex and Concave functions
5-8-15	3	A. K. Rao	III	Multivariate Analysis	Conditional distribution
6-8-15	3	A. K. Rao	IV	Point Estimation	Lehmann-Scheffe criterion
7-8-15				Class Teaching	
8-8-15	7	A. K. Rao	I	Demographic Methods	Abridged life table
10-8-15	8	A. K. Rao	I	Demographic Methods	Uses of life table
10-8-15	7	SMT	II	Convex Sets	Epigraphs of a Convex function
11-8-15	4	A. K. Rao	II	Reliability Theory	Availability
11-8-15	8	SMT	II	Linear Programming	Structure and formation
12-8-15	4	A. K. Rao	III	Multivariate Analysis	MGF and CF
13-8-15	4	A. K. Rao	IV	Point Estimation	Cramer – Rao Inequality

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14-8-15				Class Teaching	
17-8-15	9	A. K. Rao	I	Demographic Methods	Fertility
17-8-15	9	SMT	II	Linear Programming	Feasible Solution
18-8-15	10	A. K. Rao	I	Demographic Methods	CBR
18-8-15	10	SMT	II	Linear Programming	Basic Feasible Solution
20-8-15	5	A. K. Rao	II	Reliability Theory	Failure Rate
21-8-15	5	A. K. Rao	III	Multivariate Analysis	Linear Combination
22-8-15	5	A. K. Rao	IV	Point Estimation	MVUE
23-8-15				Test	
24-8-15	11	A. K. Rao	I	Demographic Methods	GFR
24-8-15	11	SMT	II	Linear Programming	Graphical methods
25-8-15	12	A. K. Rao	I	Demographic Methods	Age – Specific B.R.
25-8-15	12	SMT	II	Linear Programming	Problems
26-8-15	6	A. K. Rao	II	Reliability Theory	Hazard function
27-8-15	6	A. K. Rao	III	Multivariate Analysis	MLE of μ and Σ
31-8-15	6	A. K. Rao	IV	Testing	Critical function
31-8-15	13	SMT	II	Linear Programming	Problems
1-9-15				Class Teaching	
1-9-15	14	SMT	II	Linear Programming	Problems
3-9-15	13	A. K. Rao	I	Demographic Methods	TFR
4-9-15	14	A. K. Rao	I	Demographic Methods	GRR
7-9-15	7	A. K. Rao	II	Reliability Theory	Exponential distribution
7-9-15	15	SMT	II	Linear Programming	Simplex Method
8-9-15	7	A. K. Rao	III	Linear Regression	Least Square theory
8-9-15	16	SMT	II	Linear Programming	Problems
9-9-15	7	A. K. Rao	IV	Testing	Size and Power
10-9-15				Class Teaching	
11-9-15	15	A. K. Rao	I	Demographic Methods	NRR
12-9-15	16	A. K. Rao	I	Quality Control	Quality of a product
14-9-15	8	A. K. Rao	II	Reliability Theory	Exponential distribution
14-9-15	17	SMT	II	Linear Programming	Problems
15-9-15	8	A. K. Rao	III	Linear Regression	Estimation of Parameters
15-9-15	18	SMT	II	Linear Programming	Problems
16-9-15	8	A. K. Rao	IV	Testing	MP and UMP tests

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18-9-15				Class Teaching	
19-9-15	17	A. K. Rao	I	Quality Control	Need for Q.C.
21-9-15	18	A. K. Rao	I	Quality Control	Process Capability
21-9-15	19	SMT	II	Linear Programming	Dual of LPP
22-9-15	9	A. K. Rao	II	Reliability Theory	Weibull distribution
22-9-15	20	SMT	II	Linear Programming	Problems
23-9-15	9	A. K. Rao	III	Linear Regression	Test of hypothesis
24-9-15	9	A. K. Rao	IV	Testing	Randomised test
26-9-15				Test	
28-9-15	19	A. K. Rao	I	Quality Control	Product Control
28-9-15	21	SMT	II	Linear Programming	Duality theorem
29-9-15	20	A. K. Rao	I	Quality Control	Control Chart
29-9-15	22	SMT	II	Linear Programming	Two – phase method
1-10-15	10	A. K. Rao	II	Reliability Theory	Weibull distribution
3-10-15	10	A. K. Rao	III	Linear Regression	R^2 and adjusted R^2
5-10-15	10	A. K. Rao	IV	Testing	Non – Randomised test
5-10-15	23	SMT	II	Linear Programming	Problems
6-10-15				Class Teaching	
6-10-15	24	SMT	II	Linear Programming	Problems
7-10-15	21	A. K. Rao	I	Quality Control	Specification limit
8-10-15	22	A. K. Rao	I	Quality Control	Tolerance limit
9-10-15	11	A. K. Rao	II	Reliability Theory	Log-normal distribution
10-10-15	11	A. K. Rao	III	Linear Regression	ANOVA Table
14-10-15	11	A. K. Rao	IV	Testing	N – P Lemma
15-10-15				Class Teaching	
16-10-15	23	A. K. Rao	I	Quality Control	n – chart
17-10-15	24	A. K. Rao	I	Quality Control	np - chart
19-10-15	12	A. K. Rao	II	Reliability Theory	Log-normal distribution
19-10-15	25	SMT	II	Linear Programming	Big-M method
28-10-15	12	A. K. Rao	III	Explanatory data analysis	Empirical distribution
29-10-15	12	A. K. Rao	IV	Testing	MLR Property
30-10-15				Test	
31-10-15	25	A. K. Rao	I	Quality Control	c – chart
2-11-15	26	A. K. Rao	I	Quality Control	u – chart

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2-11-15	26	SMT	II	Linear Programming	Problems
3-11-15	13	A. K. Rao	II	Reliability Theory	Gamma distribution
3-11-15	27	SMT	II	Linear Programming	Problems
4-11-15	13	A. K. Rao	III	Explanatory data analysis	Quantile function
5-11-15	13	A. K. Rao	IV	Interval Estimation	Confidence bounds
6-11-15				Class Teaching	
7-11-15	27	A. K. Rao	I	Quality Control	CUSUM Chart
14-11-15	28	A. K. Rao	I	Acceptance Sampling	Good and bad lots
16-11-15	14	A. K. Rao	II	Reliability Theory	Gamma distribution
16-11-15	28	SMT	II	Linear Programming	Problems
18-11-15	14	A. K. Rao	III	Stochastic Simulation	Inversion theorem
19-11-15	14	A. K. Rao	IV	Interval Estimation	UMA Intervals
20-11-15				Class Teaching	
21-11-15	29	A. K. Rao	I	Acceptance Sampling	Consumer and Producer Risk
23-11-15	30	A. K. Rao	I	Acceptance Sampling	Single Sampling Plan
23-11-15	29	SMT	II	Transportation	Formulation
24-11-15	15	A. K. Rao	II	Reliability Theory	Concept of aging
24-11-15	30	SMT	II	Transportation	North West corner rule
25-11-15	15	A. K. Rao	III	Stochastic Simulation	Generating R.V.
26-11-15	15	A. K. Rao	IV	Interval Estimation	UMAU Intervals
27-11-15				Test	
28-11-15	31	A. K. Rao	I	Acceptance Sampling	Double Sampling Plan
30-11-15	32	A. K. Rao	I	Acceptance Sampling	OC and ASN functions
30-11-15	31	SMT	II	Transportation	Problems
1-12-15	16	A. K. Rao	II	Reliability Theory	IFR
1-12-15	32	SMT	II	Transportation	Problems
3-12-15	16	A. K. Rao	III	Stochastic Simulation	Monte- Carlo Integration
7-12-15	16	A. K. Rao	IV	Sequential Analysis	OC and ASN functions
7-12-15	33	SMT	II	Transportation	Lowest cost entry
8-12-15				Class Teaching	
8-12-15	34	SMT	II	Transportation	Problems
9-12-15	33	A. K. Rao	I	Acceptance Sampling	AQL, LTPD, AOQL and ATI
11-12-15	34	A. K. Rao	I	Index Number	Price Index
12-12-15	17	A. K. Rao	II	Reliability Theory	IFRA

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14-12-15	17	A. K. Rao	III	Non – Parametric Methods	Goodness of fit test
14-12-15	35	SMT	II	Transportation	Vogel’s approximation
15-12-15	17	A. K. Rao	IV	Sequential Analysis	Wald’s SPRT
15-12-15	36	SMT	II	Transportation	Problems
16-12-15				Class Teaching	
17-12-15	35	A. K. Rao	I	Index Number	Quantity Index
18-12-15	36	A. K. Rao	I	Index Number	Laspeyre’s Index
19-12-15	18	A. K. Rao	II	Reliability Theory	Coherent System
21-12-15	18	A. K. Rao	III	Non – Parametric Methods	Sign and Wilcoxon signed-rank test
21-12-15	37	SMT	II	Transportation	Problems
22-12-15	18	A. K. Rao	IV	Sequential Analysis	Wald’s Identity
22-12-15	38	SMT	II	Transportation	Optimal solution
28-12-15				Test	
28-12-15	39	SMT	II	Transportation	Problems
29-12-15	37	A. K. Rao	I	Index Number	Paasche’s Index
29-12-15	40	SMT	II	Transportation	Problems
30-12-15	38	A. K. Rao	I	Index Number	Marshal-Edgeworth’s Index
31-12-15	19	A. K. Rao	II	Reliability Theory	Parallel System
1-1-16	19	A. K. Rao	III	Non – Parametric Methods	Rank and Kolmogorov-Smirnov test
2-1-16	19	A. K. Rao	IV	Sequential Analysis	Wald’s Lemma
4-1-16				Class Teaching	
4-1-16	41	SMT	II	Assignment	Formulation
6-1-16	39	A. K. Rao	I	Index Number	Fisher’s Index
7-1-16	40	A. K. Rao	I	Index Number	Chain base Index
8-1-16	20	A. K. Rao	II	Reliability Theory	Parallel System
9-1-16	20	A. K. Rao	III	Non – Parametric Methods	Median and Mann-Whitney test
11-1-16	20	A. K. Rao	IV	Point Estimation	Rao-Blackwell theorem
11-1-16	42	SMT	II	Assignment	Reduction theorem
12-1-16				Class Teaching	
12-1-16	43	SMT	II	Assignment	Problems
13-1-16	41	A. K. Rao	I	Index Number	Time and Factor Reversal test
16-1-16	42	A. K. Rao	I	Time Series	Additive and Multiplicative models
18-1-16	21	A. K. Rao	II	Reliability Theory	Series System
18-1-16	44	SMT	II	Assignment	Hungarian method

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