

Name of Class: M.Sc.(Statistics) Semester-II

Name of Course: Inference-II

Unit: II

Name of Teacher: Prof. Indra Rani

Lecture Schedule of the week: 16.02.2015 to 21.02.2015

Outline of lesson to be delivered in the classes (Compiled Information)

Tests of Hypotheses :

Ø **Test size for composite hypotheses: Similar regions.**

Ø **Illustrations.**

Ø **Complete parametric families and complete statistics.**

Ø **The completeness of sufficient statistics.**

Reference Book: Advanced Theory of Statistics, Chapter- 23, Vol.-II,

By Kendal , M.G. & Stuart, A.

Name of the Class : M.Sc. (Statistics) Semester-IV

Name of the Course : Non- Linear and Dynamic Programming-Paper III & IV Opt.(ii)

Unit-III

Name of Teacher : Prof. Indra Rani

Lecture Schedule of the week :16.02.2015 to 21.02.2015

Outline of Lectures to be delivered in the classes (Compiled information)

Classical Optimization Techniques :

Ø **Generalized Lagrangian Method to n - dimensional case**

Ø **Illustrations.**

Ø **Kuhn - Tucker Necessary and Sufficient Conditions (Constraints in the form of inequalities)**

Ø **Illustrations.**

Reference : Mathematical Programming By Kambo, N.S.

Introduction to Operations Research By Churchman, C.W.

Name of Class: M.Sc.(Statistics) Semester-II

Name of Course: Demography (Unit- II) & Practical based on C

Name of Teacher: Dr. Ram Niwas (on Contract Basis)

Lecture Schedule of the week: 16.02.15 to 21.02.15

Outline of lesson to be delivered in the classes (Compiled information of the lesson plan)

Topic: Abridged Life Table

**To be
Delivered on**

Greville's and Chiang's method for construction of Abridged Life Table.

16/02/2015

King's method for construction of Abridged Life Table.

18/02/2015

Keyfitz and Frauenhal's method for construction of Abridged Life Table.

19/02/2015

Fertility and its measurement

20/02/2015

Crude birth rate and general fertility rate.

21/02/2015

Reference: Fundamental Applied Statistics by S.C. Gupta & V.K. Kapoor

Lab Work: Practical will based on C

Computation of Karl Pearson's correlation coefficient.

18/19/02/2015
(B-I)& (B-II)

Computation of partial and multiple correlation coefficient.

20/21/02/2015
(B-I)& (B-II)

DEPARTMENT OF STAT & O. R., K.U. KURUKSHETRA

Name of the Class : M.Sc. (Statistics) Semester-~~IV~~ IV

Name of the Course : ~~Operations Research~~ Information Theory.

Unit: I

Name of Teacher : Prof. N.K. Jain (Guest Faculty)

Lecture Schedule of the week : 16-2-2015 - 21-2-2015

Outline of lesson to be delivered in the classes (Compiled information of the lesson plan)

Title of the topic

1. Noise characteristics of a channel
2. Discrete noise-free channel
3. Discrete channel with independent input-output.
4. Basic relationship among different entropies.

Reference

1. An Introduction to Information Theory
McGraw Hill Book Co. Inc.

P. M. Raga.

N/KJ
9/2/15

DEPARTMENT OF STAT & O. R., K.U. KURUKSHETRA

Name of the Class : M.Sc. (Statistics) Semester-II

Name of the Course : Operations Research

Unit: II

Name of Teacher : Prof. N.K. Jain (Guest Faculty)

Lecture Schedule of the week : 16/2/2015 - 21/2/2015

Outline of lesson to be delivered in the classes (Compiled information of the lesson plan)

Title of the topic

1. Transportation problems
2. ~~Assign~~ Solution of different types of Transportation problems

Reference

1. Operations Research B. S. Goyal and S. K. Mittal
Pragati Prakashan, Meerut
2. Operations Research J. K. Sharma
Theory and Applications

N/ash
9/2/2015

Name of the Class: M. Sc. (Statistics) Semester-2nd

Name of the Course: Computer Fundamentals and Problem Solving Using C; Unit-I and 2

Lecture of schedule of week: 16-02-15 to 19-02-15

Title of the topic

Structured programming concepts

History of C

Importance of C

Reference

1. Sinha, P.K. & Sinha, Priti, Computer Fundamentals, BPB
2. Dromey, R.G., How to Solve it By Computer, PHI
3. Gottfried, Byron S., Programming with C, Tata McGraw Hill
4. Balagurusamy, E., Programming in ANSI C, McGraw-Hill
5. Jeri R. Hanly & Elliot P. Koffman, Problem Solving and Program Design in C, Addison Wesley.
6. Yashwant Kanetkar, Let us C, BPB

Name of the Class: M. Sc. (Statistics) Semester-4th

Name of the Course: Linear Estimation & Design of Experiments; Unit-1

Lecture of schedule of week: 16-02-15 to 19-02-15

Title of the topic

Variance- Covariance matrix of BLUES

Tests of Linear hypothesis


Reference

1. Kshirsagar, A.M. (1972) : Linear Models, Marcel Dekker
2. Searle, S.R. (1971) : Linear Models, John Wiley & sons New York.

Practical (Computer based)

Title of the topic

Testing the significance of difference between two sample means.


(Dr. Jitender Kumar)
Assistant Professor
Department of Statistics & O. R.
Kurukshetra University, Kurukshetra