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

Name of Course: Inference-1I **t: III**

Lecture Schedule of the week: 06.04.2015 to 11.04.2015

Name of Teacher: Prof. Indra Rani

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

Topic : Non – Parametric Tests and their applications

- **Chi – Square Goodness - of - Fit Test.**

- **Tests of Randomness.**

Reference Book: Nonparametric Statistical Inference By Gibbons, J. D.

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

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

Unit-II

Name of Teacher : Prof. Indra Rani

Lecture Schedule of the week: 06.04.2015 to 11.04.2015

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

- **Integer linear Programming problem.**
- **Solution of Integer linear Programming problems.**
- **Gomory's Algorithm for all Integer Programming problems.**

Reference : Mathematical Programming By Kambo, N.S.

Introduction to Operations Research By Churchman, C.W.

Lab Work : Analysis of Latin Square Design

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

Name of the Course : Measure and Probability Unit: III & IV

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

Lecture Schedule of the week : 6-4-2015 to 11-4-2015

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

Title of the topic

1. Criterion of Present Value for Comparing Replacement alternatives
2. Introduction of queueing models
3. Steady state Solution of M/M/1 and M/M/1/N queueing models.

Reference

1. Operations Research — B.S. Goel and S.K. Mittal, Pragati Prakashan
2. Fundamentals of Queueing Theory, ~~Wiley~~ John Wiley & Sons. — D. Gross and C.M. Harris

N Jain
1/4/2015

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

Name of the Course : Information Theory opt.(iii) Unit: III & IV

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

Lecture Schedule of the week: 6-4-2015 to 11-4-2015

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

Title of the topic

1. Shannon's Binary encoding
2. Fundamental Theorem of discrete noiseless encoding
3. Huffman's minimum Redundancy code.

Reference

1. An Introduction to Information Theory, McGraw Hill Book Co. Inc. — F.M. Roza.

N Jain
7/4/2015

Name of the Class: M. Sc. (Statistics) Semester-2nd
Name of the Course: Computer Fundamentals and Problem Solving Using C; Unit-3 and 4
Lecture of schedule of week: 06-04-15 to 11-04-15
Title of the topic:
Arrays
Pointers
Reference

1. Gottfried, Byron S., Programming with C, Tata McGraw Hill
2. Balagurusamy, E., Programming in ANSI C, McGraw-Hill
3. Jeri R. Hanly & Elliot P. Koffman, Problem Solving and Program Design in C, Addison Wesley.
4. Yashwant Kanetker, Let us C, BPB

Name of the Class: M. Sc. (Statistics) Semester-4th
Name of the Course: Linear Estimation & Design of Experiments**;** Unit-3
Lecture of schedule of week: 06-04-15 to 11-04-15
Title of the topic
Confounding
Fractional factorials
Split-plot design
Incomplete Block Design
Reference

1.Das,M.N.and Giri, N (1979): Design and Analysis of Experiments, Wiley Eastern.
2. Montogomery, C.D.(1976) : Design and Analysis of Expertiments, Wiley, New York.
3. Aloke Dey, : Theory of Block Designs , Wiley Eastern Ltd.
4. Pearce, S.C.(1984) : Design of Experiments, Wiley, New York.
4.Joshi, D.D (1990) : Linear Estimation and Design of Experiments , Wiley Eastern Ltd.
5.Angela Dean and Daniel Voss (1999) : Design and Analysis of Experiments, Springer.

Practical (Computer based)
Title of the topic
Testing the significance of the ratio of two independe pulation variance.

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