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

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

Lecture Schedule of the week: 13.04.2015 to 18.04.2015

Name of Teacher: Prof. Indra Rani

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

Topic : Non – Parametric Tests and their applications

- **The Ordinary Sign Test.**
- **The Wilcoxon Signed - Rank Test.**

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-III

Name of Teacher : Prof. Indra Rani

Lecture Schedule of the week: 13.04.2015 to 18.04.2015

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

Formulation of Sequencing problems as integer programming problems:

- **The Travelling - Salesman Problem.**

- **Capital budgeting in a firm.**

Reference : Mathematical Programming By Kambo, N.S. Introduction to Operations Research By Churchman, C.W.

Lab Work : Analysis of Two Square Factorial Experiment.

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

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

Name of the Course : ~~Theory of Queues opt.(i)~~ Information Theory Unit: IV

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

Lecture Schedule of the week: 13-4-2015 to 18-4-2015

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

Title of the topic

1. Gilbert - Moore encoding
2. Error detecting and error correcting codes.

Reference

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

NJain
7/4/2015.

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

Name of the Course : ~~Measure and Probability~~ Operational Research. Unit: IV

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

Lecture Schedule of the week : 13 - 4 - 2015 to 18 - 4 - 2015

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

Title of the topic

1. M/M/C and M/M/C/N. Steady state solutions and measures of effectiveness.
2. Introduction to inventory models
3. Inventory models (D.I.M) with no shortages.

Reference

1. Operations Research — B. S. Goel and S. K. Mittal
   Pragati Prakashan
   Meerut
2. ~~Churchman~~ Introduction to Operations Research, John Wiley & Sons New York — C. W. Churchman

M Jain
7/4/2015