

3. Chandan, J., “*Organizational Behaviour*”, Vikas Publishing House Pvt. Ltd.
4. Udai Pareek, “*Organizational Behaviour*”, Oxford University Press, 2004.
5. Robbins, S.P., Judge, T. A and Sanghi, S. (2007). *Organisational Behaviour Dehil* : Pearson Education.
6. Khandwalla, P. N. (1992). *Organization Design for excellence*, new Delhi: Tata McGraw Hill.
7. Davis, K. *Human Behaviour at work*. New Delhi. Tata McGraw Hill.

## **MANAGEMENT SCIENCE**

Course No. CP - 202

Max. Marks (Ext. Exam) : 80

Min. Pass Marks : 32

### **COURSE CONTENTS:**

- Unit – I Management Science-Basic concepts and its role in decision making.
- Unit – II Linear Programming – General Linear programming problem, Standard and Canonical Forms of Linear programming problem, Basic Concepts, Model Formulation, Graphical solution of solving LPP, Duality in Linear programming problem.
- Unit – III Transportation Problem – Basic concept, North – West corner method, Row minima method, Column minima method, Least cost method, Vogel’s Approximation method.
- Unit – IV Assignment & Sequencing Problem – Basic concepts, Hungarian method of solving assignment problem, Sequencing Problem, Processing Jobs through machine(s).
- Unit – V PERT/CPM, Decision Theory and Decision Trees – Game theory, two person zero sum game; Network Analysis in Project – Critical Path Method and Project Evaluation Review Technique.

### **SCHEME OF EXAMINATION:**

Total Marks : (Internal 20, External 80) = 100 marks

### **PATTERN FOR EXTERNAL EVALUATION:**

Sec. A: (Short Answers)	4 out of 8	4 x 8 = 32 Marks.
Sec. B: (Essay type & case)	3 out of 5	3 x 16 = 48 Marks.

### **SUGGESTED READINGS :**

1. Kapoor, ‘Operations Research’.
2. Heera & Gupta, ‘Operations Research’.
3. Swarup Kanti, ‘Operations Research’.