



## **UNIT-V:**

Definition of Game, Zero-sum game, Saddle point, Value of Game, Pay-off matrix. Fundamental Theorem of 2X2 games, Dominance property and modified dominance property (simple problems). Solving game by LPP.

### **LIST OF BOOKS FOR STUDY:**

1. Operations research – S.D. Sharma
2. Operations research – Taha. H.A.

### **LIST OF BOOKS FOR REFERENCE:**

1. Operations research --Wagner
2. Operations research – Kanthi swaroop
3. Operations research – V.K. Kapoor

## **PRACTICALS**

### **Objective**

To find the M x N jobs and scheduling

To minimize the total transportation cost by balanced transportation problem.

To minimize the total cost by unbalanced assignment problem.

### **Course :**

1. M x N jobs and Scheduling.
2. Balanced transportation problem.
3. Unbalanced transportation problem.
4. Balanced and Unbalanced assignment problem.
5. Game theory. (Dominance and modified dominance property)
6. Solving game by LPP.

MS-Excel methods for the above serial numbers (any one of the