SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN
(AUTONOMOUS)
(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)
Chromepet, Chennai — 600 044.
B.Sc.(CS) END SEMESTER EXAMINATIONS APRIL-2023
SEMESTER - V
**20UCSET5001 - Resource Management Techniques**

Total Duration : 2 Hrs 30 Mins.          Total Marks : 60

## Section B

Answer any **SIX** questions   $(6 \times 5 = 30 \text{ Marks})$

1. List out the various characteristics of OR? Explain.

2. Explain the Role of computers in OR.

3. How will you relate Assignment model and transportation model?

4. Explain Sequencing problem with an example.

5. How to processing job through two machine for resource management?

6. Compute maximin, minimax criteria of optimality stating an own example.

7. Explain Various characteristics of Game theory?

8. Differentiate PERT and CPM networks.

## Section C

Answer any **THREE** questions   $(3 \times 10 = 30 \text{ Marks})$

9. Explain Simplex method with example.

10. How to solve the issues using transportation models based on Vogel's Approximation methods.

11. How to solve Traveling sales man problem? Explain with suitable example.

12. How to apply algebraic and graphical method of solution of solving $2^*2$ games?

13. Compare PERT computation and CPM computation.

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