

MCA (4th Semester)/ M.Sc. (CA) (2nd Semester)

040010404 / 040020206: Computer Oriented Operations Research Methods

- **Self-Creation Parameter Questions:**

1. How Transportation Problem is used in Artificial Intelligence?
2. How Transportation Problem is used in Knowledge-Based Systems?
3. How Transportation Problem is used in Neural network?
4. How Transportation Problem is used in Genetic Algorithms?
5. How Simplex method is used in verifying Software Safety?
6. How assignment problem is used for capacity assignment in packet switching network?
7. How assignment problem is used to control traffic flow to minimize the average delay in computer networks?
8. How to perform client assignment to reduce network latency for improving interactivity in Distributed Interactive Application?
9. Explain assignment problem for multiprocessor with limited memory.
10. How to schedule the tasks of an application onto the available computers to maximize the system throughput?
11. Discuss the use of two person zero sum game for Investment management.
12. Use PERT and CPM for building a new library.
13. Importance of process (job) scheduling in the terms of operating systems.
14. Analyzing any project by PERT/CPM.
15. Scheduling network for house building project.
16. A simulation approach for PERT network.
17. Role of Simulators for decision-making.
18. Importance of Random Number in Computer Science domain.
19. How to use simulation for the load testing of website?
20. Use simulator for client server communication in Java.
21. Applications of simulators in computer network.
22. Algorithm for two processes (jobs) through m machines.
23. Use of Game theory for load balancing.
24. Simulate Round Robin scheduling algorithm of Operating System.
25. Simulate SSTF algorithm for Operating System.