Operations Research

FAQs

Note - Problems from all 5 Units are important

1. *Nature, scope of operations research
2. Limitations of operations research
3. Sensitivity analysis and its implications
4. Distinguish between PERT and CPM
5. Queuing theory objectives.
6. Define feasible solution
7. Write about artificial variable
8. VAM, NWC, LCC, MODI
9. Fulkersons's rule
10. Saddle point
11. Difference between linear programming and goal programming and non-linear programming
12. Explain the economic interpretation of dual variable
13. Degeneracy in transportation
14. Resource levelling.
15. Elements of simulation model and its applications
16. *Defined O R and explain the managerial applications and its limitations
17. Explain the mathematical and economic structure of the linear programming problems.
18. Dynamic programming and its characteristics,
19. Restricted assignment problem
20. Times cost trade off
21. Define float. list its type,
22. Differences between TP and AP.
23. Explain single channel queuing model,
24. M/M/1 model of queuing trend,
25. Slack and surplus variable,
26. Unbalanced transportation problem.
27. Marge and burst event.
28. Balkigs and other queuing concepts.
29. Crashing in network analysis,
30. Dominance rule in safe theory.
31. What is LPP method its implications.