

**DR. MPS MEMORIAL COLLEGE OF BUSINESS STUDIES,
AGRA
BACHELOR OF BUSIENSS ADMINISTRATION
OPERATION RESEARCH (501)
QUICK REVISION QUESTIONS**

1. Define LPP.
2. Explain slack variables.
3. Define Queuing theory
4. What do you understand by the dominance property.
5. Explain two person zero sum game.
6. Define waiting time and networking methods.
7. Define Operation research Model.
8. What are the applications advantages and limitations of LPP.
9. What is an assignment problem. Explain the Hungarian method of Assignment problem.
10. What do you understand by the game theory. State the assumptions made in the theory of games.
11. Write short notes on following
 - a. Pure and mixed strategy
 - b. Saddle point
 - c. Principles of dominance
 - d. Two person zero sum game
12. A dealer wants to purchase a number of fans and swing machines. He has only Rs. 5760 to invest and space for almost 20 items. If fan cost Rs. 360 and a swing machine for Rs.240 for him. His expectation is he can sell fan at a profit of Rs.22 and a swing machine at a profit of Rs.18.
Assuming that he can sell all the items that he buy. How should he invest his money to maximize his profit. Formulate this as an LPP and solve it graphically.
- 13 . Numerical on simplex
- 14 . Numerical on assignment
- 15 .Game theory Numerical
16. Transportation problem
17. Queuing theory
18. PERT Numerical