



- Q 8** The assignment model is a special case of the \_\_\_\_\_ model.  
 ( a). maximum-flow (b). Transportation  
 (c). Shortest-route (d). none of the above

**Q9** What do you mean by two person zero sum game?

- (a). Profit= loss (b) There are two players  
 (c). 1 and 2 (d). None of the above

**Q10** Which one is not the method of game theory...

- ( a).Oddoment (b).Probability  
 (c). Saddle point (d). All of the above

**B. Long type Questions:**

**Q1.** Solve Transportation Problem

	W1	W2	W3	W4	Supply
F1	13	11	15	40	2
F2	17	14	12	13	6
F3	18	18	15	12	7
Demand	3	3	4	5	15

**Q2.** Two players R and C have one coin each. After a signal each of them exposes the coin. Player R wins a unit when there are two heads, wins nothing when there are two tails and loses 1/2 unit when there is one head and one tail. Determine the payoff matrix, the best strategies for each player and the value of the game.

**Q3.** Find the critical path and all floats

Activity	Expected time
1-2	7
1-6	6
2-3	14
2-4	5
3-5	11
4-5	7
6-7	11
5-8	4
7-8	18