Ques1: Solve the following transportation problem with 3 factories and 3 destinations using solver:

	D1	D2	D3	Supply
S1	$0	$2	$1	6
S2	$2	$1	$5	9
S3	$2	$4	$3	5
Demand	5	5	10	

Ques2: Find the minimum assignment cost and the efficient workers jobs assignment:

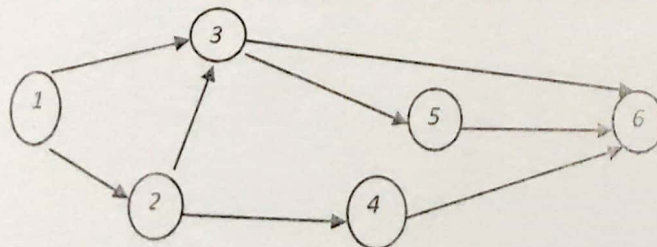|	Mow	Paint	Wash
John	$15	$10	$9
Karen	$9	$15	$10
Terri	$10	$12	$8

Ques3: Find the shortest route for the following network model:
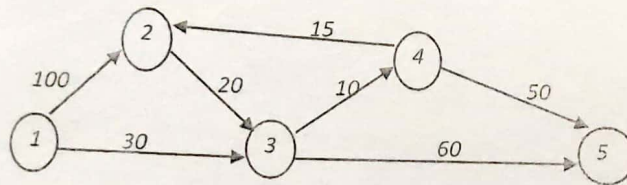
Ques4: Determine the maximum flow in the following network:
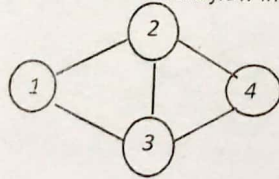
**Ques5:** Determine the critical path for the following project network:

Ques6: Solve the following transportation problem with 3 factories and 3 destinations using solver:

	D1	D2	D3	Supply
S1	$10	$4	$2	8
S2	$2	$3	$4	5
S3	$1	$2	$0	6
Demand	7	6	6	

Ques7: Find the minimum assignment cost and the efficient workers jobs assignment:

	Chore 1	Chore 2	Chore 3	Chore 4
Child 1	$1	$4	$6	$3
Child 2	$9	$7	$10	$9
Child 3	$4	$5	$11	$7
Child 4	$8	$7	$8	$5

Ques8: Find the shortest route for the following network model:
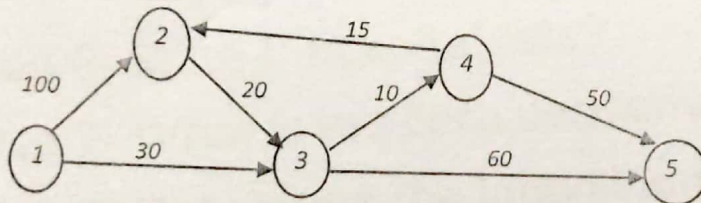
Ques9: Determine the maximum flow in the following network:
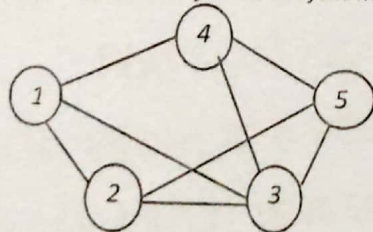
Ques10: Determine the probabilities that the different nodes of the project are realized without delay. Consider the following data:

Activity	i-j	(a,m,b)	Activity	i-j	(a,m,b)
A	1-2	(3,5,7)	E	3-5	(1,2,3)
B	1-3	(4,6,8)	F	3-6	(9,11,13)
C	2-3	(1,3,5)	G	4-6	(1,1,1)
D	2-4	(5,8,11)	H	5-6	(10,12,14)