

بنك الأسئلة لتخصص: إدارة اعمال المستوى: الثاني الفصل: الثاني اسم المقرر : بحوث العمليات (بالإنجليزي)

Q1 : Solve the following problem by Using : Simplex Method:

$$\text{Max } z = 2 X_1 + 3 X_2$$

S.T

$$3X_1 + 6 X_2 \leq 24$$

$$2X_1 + 1 X_2 \leq 10$$

$$X_1 , X_2 \geq 0$$

Q2 : Find the net Work diagram and find the Critical Path and loss time:

(Activity) : ٥	A	B	C	D	E	F	H	G	I	J	K	L
Time (day) :	5	2	4	1	4	2	3	2	1	6	5	3
Previous Activity	-	-	-	C.B	D	D	D	F.A	E	H	J.G	K

Q3 : Solve the following transportation Cost Problem by Using:

1. Least Cost Method:
2. Vogels Approximation:
3. North West Corner

to \ From	M1	M2	M3	M4	
P1	2	1	3	4	200
P2	5	2	6	1	300
P3	4	3	2	7	250
	100	150	350	150	