

Internal Assessment Test (2023-24)
Quantitative Techniques for Management
B.A (H) Business Economics, Semester 5

DT: 3/10/23.

Max Time 1 hour.

Max. Marks 20

* Attempt both the questions that follow:-

Q1 Minimize the transportation cost of movement of goods from warehouses to markets as per the following table:-

	W_1	W_2	W_3	W_4	SS
F_1	5	2	12	10	200
F_2	4	9	8	6	100
F_3	7	6	4	5	50
DD	50	80	120	100	

Q2 Maximize : $5x_1 + 10x_2 + 8x_3$

s.t.

$$3x_1 + 5x_2 + 2x_3 \leq 60$$

$$4x_1 + 4x_2 + 4x_3 \leq 72$$

$$2x_1 + 4x_2 + 5x_3 \leq 100$$

$$x_1, x_2, x_3 \geq 0$$

Using Simplex method.

Usahitya