

Section-1

Basic Feasible solution of transportation problem using North West corner method.

Ans-3

		destination				
		1	2	3	4	supply
source	1	3	1	7	4	300
	2	2	6	5	9	400
	3	8	3	3	2	500
Demand		250	350	400	200	

	1	2	3	4	Supply
1	250 ✓	50 ✓	✓	4 ✓	300 500
2	✓	300 ✓	100 ✓	✓	400 1000
3	✓	3 ✓	300 ✓	200 ✓	500 2000

Demand 250 350 400 200  
 0 300 300 0  
 0 0

$$\begin{aligned}
 \text{Total cost} &= 250 \times 3 + 50 \times 1 + 300 \times 6 + 100 \times 5 + 300 \times 3 + 400 \\
 &= 750 + 50 + 1800 + 500 + 900 + 400 \\
 &= \text{₹ } 4,400.
 \end{aligned}$$