

Prescriptive_Analytics - Questions

Q1. Reducing DC_East capacity from 600 to 500 affects total cost how?

- A. Cost decreases
- B. Cost increases moderately
- C. No change
- D. Cost drops sharply

Correct answer: B. Cost increases moderately

Q2. When Store_C demand rises from 350 to 450 units, which DC will supply more?

- A. DC_West
- B. DC_East
- C. DC_North
- D. None; demand unmet

Correct answer: D. None; demand unmet

Q3. Adding +2 cost to all DC_West routes causes:

- A. More shipments from DC_West
- B. DC_West routes to reduce or become unused
- C. Lower total cost
- D. No effect

Correct answer: B. DC_West routes to reduce or become unused

Q4. Adding a new DC_North with 300 supply typically leads to:

- A. Higher total cost
- B. Lower total cost
- C. More capacity unused
- D. No difference

Correct answer: B. Lower total cost

Q5. Limiting DC_West total shipments to 400 units results in:

- A. Unchanged objective cost
- B. Slight cost increase due to constraint
- C. Major cost decrease
- D. Infeasible optimization

Correct answer: B. Slight cost increase due to constraint