1. Which of the following is not a category of the operations research (OR) techniques?

   Options:

   A. Linear mathematical programming technique

   B. Inventory techniques

   C. Feasible solution

   D. Network techniques

   Correct Option: D. Network techniques

2. Delay in critical activities for project management leads to _____.

   Options:

   A. Project finish time will have to extend

   B. All above choices are equivalent

   C. Project cost will increase

   D. More resources have to be employed

   Correct Option: A. Project finish time will have to extend

3. Which type of path will be critical in a network flow diagram?

   Options:

   A. Longest path from starting node to end node

   B. Any path from starting node to end node with minimum cost

   C. Any path from starting node to end node

   D. Shortest path from starting node to end node

   Correct Option: D. Shortest path from starting node to end node

4. Objective of inventory control is to balance between the advantage of having inventories and the _____ of carrying them to arrive at an optimal level of inventories to minimize the total inventory cost.

   Options:

   A. Demand

   B. Profit

   C. Transportation cost

   D.

   Correct Option: C. Transportation cost

5. A Critical Path in a network flow diagram _____.

   Options:

   A. Is unique

   B. May at most two

   C. Depends on the number of dummies

   D. May be multiple

   Correct Option: A. Is unique

6. The amount of the inventory will always be taken to be _____.

   Options:

   A. Negative

   B. Positive

   Correct Option: B. Positive

7. While solving a network flow problem by PERT, which type of time will be used to measure the length of the Critical Path?

   Options:

   A. Optimistic

   B. Most Likely

   C. Pessimistic

D. Expected

Correct Option: D. Expected

8. Choose the correct one for the project times that are used in project management.

Options:

A. Latest start time, Latest finish time, Earliest start time, Earliest finish time

B. Latest start time, Latest finish time, Earliest start time, CPM

C. Latest start time, Latest finish time, PERT, Earliest finish time

D. PERT, CPM

Correct Option: A. Latest start time, Latest finish time, Earliest start time, Earliest finish time

9. Which of the following relations is true among the probabilistic times in PERT?

Options:

A. Most Likely < Pessimistic < Optimistic

B. Pessimistic < Most Likely < Optimistic

C. Optimistic < Most Likely < Pessimistic

D. Most Likely < Optimistic < Pessimistic

Correct Option: D. Most Likely < Optimistic < Pessimistic

10. What is the primary focus of the Critical Path Method (CPM)?

Options:

A. Handling uncertainty in project activity durations

B. Evaluating the progress of research and development projects

C. Optimizing the trade-off between project cost and completion time

D. Scheduling projects with a high degree of complexity

Correct Option: C. Optimizing the trade-off between project cost and completion time

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