

CIT425

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1. The acronym CPM stands for

Critical Project Management

--->> Critical Path Method

Content Project Method

Content Path Method

2. How many basic variable(s) does the equation $3x_1 + 2x_2 - 5x_3 + 3x_4 = 10$ have?

--->> 1

2

3

4

3. Which of the following techniques can used to find solution for optimizing a given objective under certain constraints?

Waiting Line

Quailing Theory

--->> Linear Programming

Regression analysis

4. What is the name given to the bounded region in a graphical representation of an LP problem?

Optimal Solution

Basic solution

--->> Feasible solution

Basic feasible solution

5. The objective function in a linear programming problems is usually ?

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A constraint for available resource

A set of non-negativity conditions

--->> A linear function in an optimization problem

6. Operations Research is a powerful tool used for _____

Operations

Research

--->> Decision making

Concept Evaluation

7. Which of the following statement characterizes a standard linear programming problem?

Constraints given only by inequalities of type \geq

Constraints given only by inequalities of type \leq

--->> Constraints given by inequalities of any type

Constraints given by set of linear equations

8. The task Minimize Z is the same as

- (maximize(Z))

--->> - maximize($-Z$)

maximize($-Z$)

minimize ($-z$)

9. The technique used to find an initial solution based on the opportunity costs is referred to as:

Northwest corner rule

--->> Vogel's approximation

Mean Value Theorem

Southwest corner rule

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discovered

Industrial Revolution

World war I

--->> World war II

Civil war

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