Mathematical modeling technique designed to optimize the usage of resources is called.
A. Function
B. Composition
C. Linear
D. Linear programing
ANSWER: D
IN LP (Linear programing) we aim to optimize.
A. Variable
B. Objective
C. Condition
D. None of these
ANSWER: B
IN LP we need to satisfy.
A. Objective
A. Objective B. Constraints
A. Objective B. Constraints C. Variables
A. Objective B. Constraints C. Variables D. None of these
A. Objective B. Constraints C. Variables D. None of these
A. Objective B. Constraints C. Variables D. None of these ANSWER: B
A. Objective B. Constraints C. Variables D. None of these ANSWER: B
A. Objective B. Constraints C. Variables D. None of these ANSWER: B In LP we seek to determine. A. Variables
A. Objective B. Constraints C. Variables D. None of these ANSWER: B In LP we seek to determine. A. Variables B. Constraints
A. Objective B. Constraints C. Variables D. None of these ANSWER: B In LP we seek to determine. A. Variables B. Constraints C. Conditions

Any solution that satisfies all the constraints of model is called.

A. Solvent
B. Insolvent
C. Feasible
D. None of these
ANSWER: D
A typical LP model may includes.
A. Many variables
B. Many constraints
C. A and B
D. None of these
ANSWER: C
The solution side of 6x+4y≤24 includes.
A. (6,1)
B. (1,6)
C. (8,1)
D. (0,2)
ANSWER: D
Point (4,5) satisfy.
A. X+y<9
B. X+y>9
C. X+y=9
D. None of these
ANSWER: C
X+y=0 is passes throughquadrants.
A. First

B. Second
C. Fourth
D. Band C
ANSWER: D
Equation of horizontal line is.
A. X+y=0
B. Y=4
C. X=4
D. None of these
ANSWER: B
Optimum solution is always associated with.
A. Line
B. Graph
C. Corner point
D. None of these
ANSWER: C
Identifying the extreme points of graph algebraically is called.
A. Simplex method
B. Graphical
C. Linear
D. None of these
ANSWER: A
For simplex method we convert the inequality constraints into.
A. Slack variables

B. Surplus

C. Equations
D. None of these
ANSWER: C
In the standard LP form all the constraints are equations wit right hand side.
A. Positive
B. Negative
C. Nonnegative
D. None of these
ANSWER: C
In the standard LP form all variables are.
A. Nonnegative
B. Square
C. Cubic
D. None of these
ANSWER: A
X+y≤3 equivalent to.
A. X+y+s =3
B. X+y-s=3
C. X+y-3=0
D. None of these
ANSWER: A
$3x+y \ge -5$ equivalent to.
A. 3x+y+s=-5
B3x-y+s=5
C. Aor B

D. None of these
ANSWER: B
Minimization of function -f(u,v,w,x,y) is equivalent to maximization of.
A. f(x)
B. f(u,v,w,x,y)
Cf(u,v,w,x,y)
D. None of these
ANSWER: B
F=4x+2y+3z is called.
A. Linear function
B. Graph function
C. Square function
D. None
ANSWER: A
A point where objective function takes maximum or minimum value is called.
A. Point
B. Optimum solution
C. Curve
D. None
ANSWER: B
Vectors are a special case of.
A. Vector
B. Gradient
C. Matrices
D. None

ANSWER: C

ANSWER. C
If A+B has order 2by 2 then total entries of A are.
A. 5
B. 4
C. 8
D. None
ANSWER: B
5B=2B+
A. 2B
B. 3B
C. 4B
D. None
ANSWER: B
AI=IA=A then I is called matrix.
A. Strong
B. Weaker
C. Unit
D. None
ANSWER:
The matrix 5I is called.
A. Unit matrix
B. Identity matrix
C. Scalar matrix
D. None
ANSWER: C

If order of x is n x n Then x^o=
A. O matrix
B. I
C. X
D. Non
ANSWER: B
If order of 【(4A)】 ^t is 5x5 Then order of A is.
A. 25
B. 8
C. 5
D. Non
ANSWER: D
If order of x is $n \times n$ Then order of x^o is.
A. O matrix
B. N
C. 0
D. Non
ANSWER: D
If matrix A is of order 3x4 and matrix B is of 4x3 then A+B is.
A. O matrix
B. Matrix A
C. Matrix B
D. Non
ANSWER: D

- If 5(AB)=.
- A. A^5 B
- B. (5A)(5B)
- C. (5A)B
- D. Non
- ANSWER: C