MTH601:Quiz

Question # 1 of 10 (Start time: 09:21:52 PM, 17 August 2020)

In a Transportation Problem, the objective function 'Z' gives ----------.

Select the correct option

- (●) Total Cost of transportation
- ( ) Total Time of transportation

Question # 11 of 40 (Start time: 11:48:56 AM, 11 July 2020)

If the economic order quantity and the annual demand of a product are 2500 and 5000 units respectively, then WITHOUT any shortage the number of orders are ----------.

Select the correct option

●	02
○	125
○	500
○	30

Question # 12 of 40 (Start time: 11:49:11 AM, 11 July 2020)

The Mean and Variance of probabilistic nature of activity times in PERT are expressed by ----------distribution.

Select the correct option

- ○ Bernoulli
- ○ Beta
- ○ Chi
- ● Binomial

Question # 13 of 40 (Start time: 11:49:36 AM, 11 July 2020)

In a Linear Programming problem which of following condition is compulsory?

Select the correct option

○	Least Objective function needs to be linear
○	Least constraints need to be linear
●	Both Objective function and constraints need to be linear
○	Neither objective nor constraints to be linear

estion # 14 of 40 (Start time: 11:50:41 AM, 11 July 2020)

e purpose of maintaining the inventory is to balance the inter-related ----------.

lect the correct option

- times
- costs
- demands
- items

MTH601:Quiz

Quiz Start Time: 05:18 PM, 17 August 2020

Question # 1 of 10 (Start time: 05:18:14 PM, 17 August 2020)

Total Marks: 1

In North West Corner method, the first step after choosing the appropriate cell in 1st row, we allocate ----------so that the capacity of first row or first column is exhausted.

Select the correct option

- as least as possible
- as much as possible

Question # 2 of 10 (Start time: 05:18:41 PM, 17 August 2020)

In two phase method process, first phase _____ the sum of artificial variables.

Select the correct option

- (●) minimize
- ( ) maximize

MTH601:Quiz

Quiz Start Time: 05:18 PM, 17 August 2020

Question # 3 of 10 (Start time: 05:19:05 PM, 17 August 2020)

Total Marks:

If an LP problem contains large number of constraints and a smaller number of variables then which of the following will reduce the computational burden in finding its solution?

Select the correct option

- M-method
- Two phase method
- Graphical method

computational burden in finding its solution?

Select the correct option

- M-method
- Two phase method
- Graphical method
- Duality principle

Select the correct option

○	degenerate
○	non-degenerate
○	feasible
◉	infeasible

MTH601:Quiz

Quiz Start Time: 05:18 PM

Question # 5 of 10 (Start time: 05:19:55 PM, 17 August 2020)

Which of the following difficulty may found while attempting an LP problem by M-method?

Select the correct option

- It often leads to infeasible solution
- Computational error due to large value of M

Question # 6 of 10 (Start time: 05:20:18 PM, 17 August 2020)

The cost coefficient of artificial variable in Objective function is ----------.

Select the correct option

- ○ 0
- ◉ M

Question # 7 of 10 (Start time: 05:20:38 PM, 17 August 2020) **Total Marks:** 1

While solving an LP problem by the Simplex method, in the standard table, the element at the intersection of key column and key row is called ---------- element.

Select the correct option

- Entering
- Leaving
- Slack

Select the correct option

- Entering
- Leaving
- Slack
- Pivot

TH601 Quiz solved by... ×

MTH601:Quiz **Quiz Start Time: 05:18 PM, 17 August 2020**

Question # 8 of 10 (Start time: 05:20:56 PM, 17 August 2020) **Total Marks: 1**

For finding the maximum profit in an enterprise of selling two products such that 'freezing' the sale of one product and keep selling the other. This scenario is studied under ----------.

Select the correct option

- ○ Un-boundedness
- ○ Duality
- ◉ Degeneracy

MTH601:Quiz **Quiz Start Time: 05:18 I**

Question # 9 of 10 (Start time: 05:21:22 PM, 17 August 2020)

Which of the following will be an example of degenerate basic feasible solution for an LP problem?

Select the correct option

- ○ (2,3-1)
- ◉ (0,2,1)

If an LP problem contains large number of constraints and a smaller number of variables then which of the following will redu computational burden in finding its solution?

Select the correct option

- M-method
- Two phase method
- Graphical method

Select the correct option

- ○ M-method
- ○ Two phase method
- ○ Graphical method
- ◉ Duality principle

MTH601:Quiz

Quiz Start Time: 09:21 PM, 17 August 2020

Question # 4 of 10 (Start time: 09:22:56 PM, 17 August 2020) **Total Marks:**

Which of the following order pair would minimize the objective function of the linear programming problem: $z = x + 5y$ subject to $x \geq 2, y \geq 0$?

Select the correct option

Reload Math Equations

- (2,3)
- (2,0)
- (0,3)

TH601 Quiz solved by... ×

Under which of the following condition to solve an LP by using two phase method, we can't proceed for 2nd phase?

Select the correct option

- Objective function of 1st phase has zero value.
- Objective function of 1st phase has positive value.

Question # 6 of 10 (Start time: 09:23:45 PM, 17 August 2020) **Total**

A balanced transportation model with '5'number of sources and '7' destinations has -------- number of constraint equations.

Select the correct option

- 2
- 12
- 35

Question # 7 of 10 (Start time: 09:24:06 PM, 17 August 2020) **Total Marks: 1**

By Simplex method, to maximize 'Z = 2x +9y' of an LP problem, if 'z=0' for the initial iteration then for its next improved solution, which of the following would be the next entering variable?

Select the correct option

- ○ x>0
- ◉ y>0
- ○ x<0

Question # 8 of 10 (Start time: 09:24:24 PM, 17 August 2020) **Total Marks**

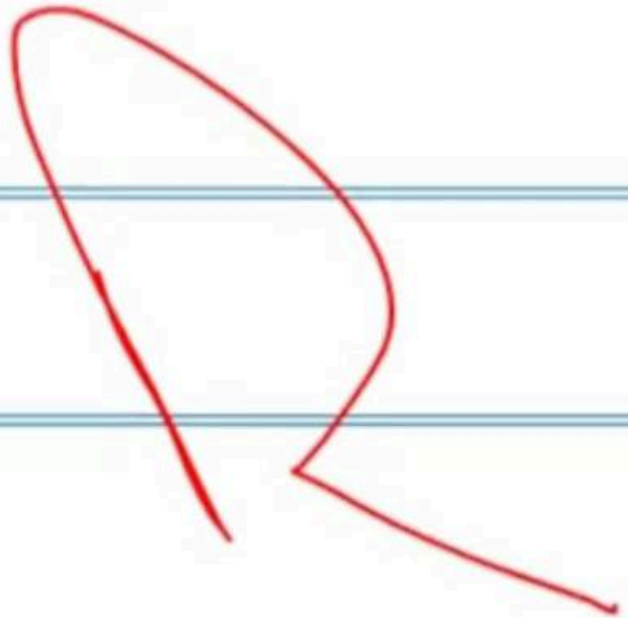
For North West Corner method, in the first row and first column, resource and sink contain '5' and '7' units respectively; then after allocating the appropriate amount 'x11' in the cell (1,1), we will move towards which of the following cell?

Select the correct option

- (2,2)
- (5,2)
- (1,2)

Select the correct option

- ○ (2,2)
- ○ (5,2)
- ○ (1,2)
- ◉ (2,1)



Question # 9 of 10 (Start time: 09:24:41 PM, 17 August 2020) Tota

By Simplex method, to minimize 'Z = 2x+9y' of an LP problem, if 'z=A>0' for the initial iteration then for its next improved solution(0<A<100), which of the following would be the next entering variable?

Select the correct option

- ○ x<0
- ○ y<0
- ◉ x>0

Question # 10 of 10 (Start time: 09:25:00 PM, 17 August 2020)

Dual of a Dual is ------

Select the correct option

- (●) Primal
- ( ) Dual

Question # 2 of 10 (Start time: 09:29:52 PM, 17 August 2020) **Total Mark:**

In two phase method if the minimum value of objective function in the first phase is greater than zero, then the solution of original problem _____.

Select the correct option

- ○ is uncertain
- ○ exists
- ◉ does not exists

150%

For an unbalanced Transportation problem, if the total demand is MORE than total supply then which of the following is true in order to balance the problem?

Select the correct option

- One constraint will have evacuate
- One constraint will have to add
- A dummy sink would have to include with demand equal to the surplus
- A dummy source would have to include with supply equal to shortage

TH601 Quiz solved by... ×

Question # 5 of 10 (Start time: 09:30:57 PM, 17 August 2020)

Shortcoming of Big M method is that the value of M could be _____.

Select the correct option

- very small
- very large

MTH601:Quiz

Quiz Start Time: 09:29 PM, 17 August 2020

Question # 6 of 10 (Start time: 09:31:15 PM, 17 August 2020)

Total Marks:

In Simplex method to solve an LP problem, Gauss Jordan Elimination method demands that all the key column entries should be zero except-----.

Select the correct option

- 1st row entry
- key row(pivot)entry

MTH601:Quiz **Quiz Start Time: 09:29 PM, 17 August 2020**

Question # 6 of 10 (Start time: 09:31:15 PM, 17 August 2020) **Total Marks:**

In Simplex method to solve an LP problem, Gauss Jordan Elimination method demands that all the key column entries should be zero except-----.

Select the correct option

- ○ 1st row entry
- ◉ key row(pivot)entry
- last row entry

MTH601:Quiz Quiz Start Time: 09:29 PM, 17 August 2020

Question # 7 of 10 (Start time: 09:31:35 PM, 17 August 2020) **Total Marks: 1**

For an unbalanced Transportation problem, if the total demand is LESS than total supply then which of the following is true in order to balance the problem?

Select the correct option

- (●) A dummy sink would have to include with demand equal to the surplus
- ( ) A dummy source would have to include with supply equal to sh[illegible]
- ( ) One constraint will have evacuate

H601 Quiz solved by... ×

Question # 1 of 10 (Start time: 09:29:31 PM, 17 August 2020)

While solving an LP by two phase method, an objective function of 1st phase is always of---------.

Select the correct option

○	maximization
●	minimization
	dependent on original objective function

Question # 10 of 10 (Start time: 05:21:41 PM, 17 August 2020)

In a Transportation Problem, the objective function 'Z' gives ----------.

Select the correct option

- (●) Total Cost of transportation
- ( ) Total Time of transportation

Question # 4 of 10 (Start time: 05:19:30 PM, 17 August 2020)

If initial basic solution is ----------, while solving an LP problem then no further iteration can be performed.

Select the correct option

O	degenerate
O	non-degenerate
	feasible

Question # 9 of 40 (Start time: 11:48:01 AM, 11 July 2020)

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

Select the correct option

- ○ Pessimistic
- ● Expected
- ○ Most Likely
- ○ Optimistic

Question # 8 of 40 (Start time: 11:46:55 AM, 11 July 2020)

One of the properties of Linear Programming Model is that ----------.

Select the correct option

- it would not have any non-positive decision variable
- the objective function should be linear
- the relationship between problem variables and constraints must be linear
- All other choices are equally important

Question # 7 of 40 (Start time: 11:45:45 AM, 11 July 2020)

Which of the following category of items in ABC analysis needs special attention by the management?

Select the correct option

○	A category
○	B category
○	C category
●	All categories need equal and fair attention

Question # 2 of 40 (Start time: 03:38:25 PM, 11 July 2020)

In Project Management, Critical Path method is based on ---------- times.

ni smj lgi is ki

Select the correct option

- deterministic
- probabilistic
- stochastic
- serial

Question # 1 of 40 (Start time: 03:36:46 PM, 11 July 2020)

The Mean and Variance of probabilistic nature of activity times in PERT are expressed by ----------distribution.

Select the correct option

- ○ Bernoulli
- ● Beta
- ○ Chi
- ○ Binomial

Question # 31 of 40 (Start time: 11:19:31 AM, 11 July 2020)
Total Marks: 1

If an item is manufactured, then the direct or indirect material, labor, and overhead expenses are referred to _____.

Select the correct option

- [x] Item cost
- [ ] Set-up cost
- [ ] Inventory holding cost
- [ ] Shortage Cost

Question # 14 of 40 (Start time: 11:18:22 AM, 11 July 2020) **Total Marks:** 1

In a network flow diagram, for an activity (ij) of duration of three days, if its earliest start time is of two days then which of the following will be its early finish time?

Select the correct option

- Six days
- One day
- One and half day
- Five days

Click to Save Answer & Move to Next Question

If weights are 1, 4 and 7 or optimistic, most likely and pessimistic time estimates, r

elect the correct option

- $t_e = \frac{t_o + 4t_m + t_p}{6}$
- $t_e = 4$
- $S_t = 2$
- $V_t = 4$

If the total inventory in one cycle of 't' units of time is '(1/2)Qt', then which of the following is the average ineventory at any time?

Select the correct option

- Q/t
- Q/2
- (Q/2)t
- 2Q

Question # 17 of 40 (Start time: 11:02:08 AM, 11 July 2020) Total Marks: 1

Which of the following distribution gives the probability of completing the assigned project by considering the expected time of any activity as random variable?

Select the correct option

- Binomial
- Poisson
- Beta
- Normal

Question # 2 of 40 (Start time: 11:02:24 AM, 11 July 2020) **Total Marks:** 1

If a manufacturer company produces two types of product say 'A' and 'B' in 'x' and 'y' quantity respectively then which of the following would be the objective if the profit on one unit of 'A' is Rs.6 and on 'B' is Rs.11?

Select the correct option

- ○ Min z =6x + 11y
- ○ Max z =66xy
- ● Max z = 6x +11y
- ○ Max z = 6x – 11y

Click to Save Answer & Move to Next Question

MTH001 Grand Quiz

Quiz Start Time: 10:41 AM, 11 July 2020

Question # 18 of 40 (Start time: 11:03:22 AM, 11 July 2020)

Total Marks: 1

One of the properties of Linear Programming Model is that ----------.

Select the correct option

- it would not have any non-positive decision variable
- the objective function should be linear
- the relationship between problem variables and constraints must be linear
- All other choices are equally important

Not Sure

Question # 1 of 40 (Start time: 11:01:06 AM, 11 July 2020)

Which of the following relation is true among the probabilistic times in PERT?

Select the correct option

- Most Likely < Optimistic < Pessimistic
- Optimistic < Most Likely < Pessimistic
- Most Likely < Pessimistic < Optimistic
- Pessimistic < Most Likely < Optimistic

Which of the following is uncertain in PERT?

Select the correct option

- Activity Cost
- Activities' completion times
- Resources associated with each activity
- Activities' precedence relation

For a LP problem say;Max:z=x+y,under the constraints x,y>=0, the feasible region would be-------.

Select the correct option

- empty
- all xy-plane
- all the first quadrant
- point(0,0)

Not Sure

In a network flow diagram, two jobs 'a(i,k)' and 'b(j,k)' of durations '4' and '5' days respectively, enter an event 'k' then which of the following will be earliest start day of 'k' provided that (i,k) and (j,k) have started earlier at 3rd and 4th day respectively?

Select the correct option

- ○ 7th
- ● 8th
- ○ 9th
- ○ 6th

Not Sure

Question # 39 of 40 (Start time: 11:29:31 AM, 11 July 2020)
Total Marks: 1

Which of the following quantity will vary in case of Dynamic Order Quantity Model?

Select the correct option

- Setup Cost
- Carrying Cost
- Item Cost
- Demand

In a network flow diagram, if an activity (i,j) starts earlier after two days and finish earlier on fifth day, then which of the following will be its completion time?

Select the correct option

- [x] Three days
- [ ] Five days
- [ ] Two days
- [ ] Ten days

Which of the type of path will be critical in network flow diagram?

Select the correct option

- ○ Shortest path from starting node to end node
- ○ Any path from starting node to end node
- ● Longest path from starting node to end node
- ○ Any path from starting node to end node with minimum cost

Which of the following property must be satisfied by a Linear Programming Model?

Select the correct option

- ○ Sensitivity
- ○ Negativity
- ● Additivity and Proportionality
- ○ Probability

In a network flow diagram, for an activity (i,j) of six days duration, if its Late Finish time is of nine days, then which of the following will be its Late Start time?

Select the correct option

- Twelve days
- Fifteen days
- Three days
- Six days

otion

Question # 1 of 40 (Start time: 10:15:27 AM, 11 July 2020)

Which of the following quantity will vary in case of Dynamic Order Quantity Model?

Select the correct option

- ○ Setup Cost
- ○ Carrying Cost
- ○ Item Cost
- ● Demand

Virtual Polytechnic

MTH601:Grand Quiz

Question # 4 of 40 (Start time: 02:19:53 PM, 11 July 2020)

In the ABC analysis, the items are classified into three categories with respect their----------.

Select the correct option

- [x] cost value
- [ ] demand value
- [ ] turn over value
- [ ] mark up value

Virtual Polytechnic

MTH601:Grand Quiz

Question # 3 of 40 (Start time: 02:17:52 PM, 11 July 2020)

If both jobs 'a(l,n)' and 'b(m,n)' of '7' and '8' days durations respectively, start earlier simultaneously on 4th day, then 'n' can start earlier on ----------day.

Select the correct option

- 8th
- 11th
- 15th
- 12th

Virtual Polytechnic

MTH601:Grand Quiz

Question # 2 of 40 (Start time: 02:16:08 PM, 11 July 2020)

The Economic Order Quantity in case of Manufacturing Model without Shortage can be transformed into Purchasing Model without Shortage by which of the following substitution?

Select the correct option

- ○ When Replacement rate 'R' approaches zero
- ○ When Replacement rate 'R' approaches infinity
- ■ When Demand rate approaches zero
- ○ When Demand rate approaches infinity

Virtual Polytechnic

MTH601 Grand Quiz

Question # 2 of 40 (Start time: 02:16:08 PM, 11 July 2020)

The Economic Order Quantity in case of Manufacturing Model without Shortage can be transformed into Purchasing Model without Shortage by which of the following substitution?

Select the correct option

- ○ When Replacement rate 'R' approaches zero
- ○ When Replacement rate 'R' approaches infinity
- ■ When Demand rate approaches zero
- ○ When Demand rate approaches infinity

Virtual Polytechnic

MTH601:Grand Quiz

Question # 1 of 40 (Start time: 02:15:22 PM, 11 July 2020)

Except the economic order quantity, the value of Q* will result in ---------

Select the correct option

- [ ] lower cost
- [ ] average cost
- [x] higher cost
- [ ] zero cost

Question # 30 of 40 (Start time: 04:53:26 PM, 11 July 2020)

In a network flow diagram, a/an ---------- is shown by dotted arrows and these consume no time or resources.

Select the correct option

- activity
- branch
- dummy
- nodes

Question # 29 of 40 (Start time: 04:52:53 PM, 11 July 2020) **Total M**

A/An ---------- is the collection of inter related activities to be performed in a particular sequence to completion.

Select the correct option

- ○ node
- ○ event
- ● project
- ○ branch

Question # 28 of 40 (Start time: 04:51:47 PM, 11 July 2020)

For a LP say:'Min:z = x+y' under the constraints x,y>=0, the optimal solution would be--------.

Select the correct option

○	empty set
○	all xy-plane
○	all the first quadrant
●	point(0,0)

Question # 26 of 40 (Start time: 04:49:41 PM, 11 July 2020) Total Marks: 1

While solving a problem by any of Linear Programming method, an objective function is to be ----------.

Select the correct option

- maximized
- minimized
- optimized
- standardized

Click to Save Answer & Move to Next Question

Question # 3 of 10 (Start time: 11:08:39 AM) Total Marks: 1

While solving a problem by any of Linear Programming method, an objective function is to be ----------.

Select correct option:

maximized

minimized

Optimized

standardized

Question # 27 of 40 (Start time: 04:50:15 PM, 11 July 2020) **Total Marks**

If the total inventory in one cycle of 't' units of time is '(1/2)Qt', then which of the following is the average ineventory at any time?

Select the correct option

- Q/t

Question # 10 of 10 (Start time: 04:27:13 PM) Total Marks: 1

If the total inventory in one cycle of 't' units of time is '(1/2)Qt', then which of the following is the average inventory at any time?

Select correct option:

Q/t

- Q/2

Q/2

(Q/2)t

2Q

- (Q/2)t
- 2Q

Question # 25 of 40 (Start time: 04:48:26 PM, 11 July 2020) **Total Marks:**

Which of the following is first step to model a linear programming problem?

Question # 7 of 10 (Start time: 11:27:03 AM) *Total Marks: 1*

Which of the following is first step to model a linear programming problem?

Select correct option:

Identifying the objective function

Identifying the non-negative constraints

Identifying the unknown decision variables

Identifying all the restrictions

Select the correct option

●	Identifying the objective function
○	Identifying the non-negative constraints
○	Identifying the unknown decision variables
○	Identifying all the restrictions

Question # 24 of 40 (Start time: 04:47:25 PM, 11 July 2020) **Total Marks:** 1

Which of the following method would remain impractical to solve a Linear Programming problem when there are more than two decision variable?

Select the correct option

- ○ Algebraic (Simplex)
- ● Graphical

Question # 23 of 40 (Start time: 04:46:02 PM, 11 July 2020) **Total Marks: 1**

In a network flow diagram, which of the following method through computations provides, i) start and completion times for each activity, ii) critical and non critical activities and iii) total and free slacks?

Select the correct option

- ○ Resource Scheduling
- ○ Resource Allocation
- ● PERT
- ○ CPM

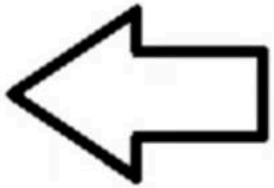
Question # 21 of 40 (Start time: 04:42:54 PM, 11 July 2020) **Total Mark**

Solution region of the constraints: 2x+3y>12 or 6x+9y=36, will be the half plane bisected by '2x+3y=12', ---------- all the points on '2x+3y=12'.

03:45

Select the correct option

- excluding
- including



Click to Save Answer & Move to Next Questio

MTH601:Grand Quiz

Question # 19 of 40 (Start time: 04:39:44 PM, 11 July 2020)

In CPM each activity has one deterministic time while in PERT each activity has ----------probabilistic time/times.

Select the correct option

○	three
○	two
●	also one
○	no

Question # 20 of 40 (Start time: 04:41:23 PM, 11 July 2020) **Total Marks:**

For a development project, if its Standard Normal variable = 1.38, expected and the scheduled durations of the project are 100 and 110 days respectively, then Variance in the project length is ----------.

Select the correct option

- -7.246
- -52.50
- 52.50 
- 7.246

Question # 17 of 40 (Start time: 04:37:07 PM, 11 July 2020) **Total Marks:** 1

For any activity (i,j), if , a) Earliest start time of $\vec{i}$ = Latest finish time of $\vec{i}$, b) Earliest start time of $\vec{j}$ = Latest finish time of $\vec{j}$, c) difference of Earliest start times of events $\vec{i}$ and $\vec{j}$ = difference of Latest finish times of events $\vec{i}$ and $\vec{j}$ = time to complete the job, then the activity (i,j) is said to be -------.

Select the correct option

- ○ dummy
- ● critical
- ○ non-Critical
- ○ non of the above

Question # 16 of 40 (Start time: 04:35:48 PM, 11 July 2020) **Total Marks:** 1

While finding the critical path in a network flow diagram, if an activity (i,j) starts and finish late on 3rd and 9th day respectively, then it will be completed in ----------days.

Whil e finding the critical path in a network flow diagram, if an activity (i,j) starts and finish late on 3rd and 9th days respectively, then it will be completed in _____ days.

Three days

Twelve days

Six days correct Answer

Fifteen days

Select the correct option

- ○ Three days
- ○ Twelve days
- ○ Fifteen days
- ○ Six days

MTH601:Grand Quiz

Quiz Start Time: 03:36 PM, 11 July 2020

Question # 14 of 40 (Start time: 04:32:43 PM, 11 July 2020)

Total Marks: 1

In a network flow diagram, the precedence relationship among the activitiees are indicated through ————

02:39

Select the correct option

- project
- branch
- dummy

Question # 13 of 40 (Start time: 04:31:06 PM, 11 July 2020) Total Marks: 1

Which of the following distribution gives the probability of completing the assigned project by considering the expected time of any activity as random variable?

Select the correct option

- Binomial
- Poisson
- Beta
- Normal

MTH601:Grand Quiz

Quiz Start Time: 03:36 PM, 11 July 2020

Question # 12 of 40 (Start time: 04:29:35 PM, 11 July 2020)

Total Marks: 1

Which of the following relation is true among the probabilistic times in PERT?

Select the correct option

- Most Likely < Optimistic < Pessimistic
- Optimistic < Most Likely < Pessimistic
- Most Likely < Pessimistic < Optimistic
- Pessimistic < Most Likely < Optimistic

Question # 11 of 40 (Start time: 04:28:03 PM, 11 July 2020) Total Marks: 1

If the point (6,t) lies in the feasible region associated with constraint:2x+3y>=12, then minimum value of 't' would be----------.

Select the correct option

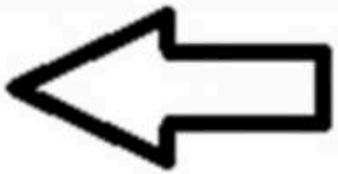
- (●) 0
- ( ) 1
- ( ) 3
- ( ) 4

Question # 10 of 40 (Start time: 04:26:36 PM, 11 July 2020)

Non-feasible solution---------- associated with a given linear programming problem.

Select the correct option

- ○ satisfy all the constraints



not confirm

- ○ does not satisfy all the constraints
- ○ satisfy least one of the constraint
- ○ does not satisfy least one of the constraint

Question # 9 of 40 (Start time: 03:46:47 PM, 11 July 2020) **Total Marks:**

Which of the following is the objective of Project Management by using PERT and CPM methods, for any project subject to resource constraints?

Select the correct option

- To minimize the project time
- To maximize the total project profit
- To minimize the total project cost
- To minimize the resource constraints

Question # 8 of 40 (Start time: 03:46:18 PM, 11 July 2020)

Which of the following is the major objective of the ABC analysis of inventory?

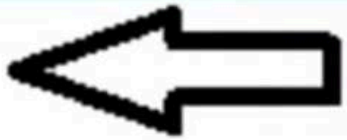
Select the correct option

- (●) To fulfill the demand of items
- ( ) To replace the required items in proper time
- ( ) To control the inventories

Question # 7 of 40 (Start time: 03:44:45 PM, 11 July 2020)

Which of the following would be the objective of the cost per unit of producing certain cameras?

Select the correct option

- Maximization 
- Minimization

MTH601:Grand Quiz

Quiz Start Time: 03:36 PM, 11 July 2020

Question # 6 of 40 (Start time: 03:43:30 PM, 11 July 2020)

Total Marks: 1

While solving a Linear programming problem, we find ----------number of basic feasible solution.

Select the correct option

- even
- odd
- infinite
- only finite

MTH601:Grand Quiz

Quiz Start Time: 03:36 PM, 11 July 2020

Question # 5 of 40 (Start time: 03:42:10 PM, 11 July 2020)

Total Marks: 1

Which of the following would be the objective of the daily loss of heat in a heating system?

Select the correct option

- Maximization
- Minimization
- Inflection
- Average

Question # 4 of 40 (Start time: 03:41:06 PM, 11 July 2020)

Which of the following is not a categories of the operations research (OR) techniques.

Select the correct option

- (●) Linear mathematical programming technique
- ( ) Feasible solution

MTH601:Grand Quiz

Quiz Start Time: 03:36 PM, 11 July 2020

Question # 3 of 40 (Start time: 03:39:52 PM, 11 July 2020)

Total Marks: 1

If a manufacturer company produces two types of product say 'A' and 'B' in 'x' and 'y' quantity respectively then which of the following would be the objective if the profit on one unit of 'A' is Rs.6 and on 'B' is Rs.11?

Select the correct option

- Min z =6x + 11y
- Max z =66xy
- Max z = 6x +11y
- Max z = 6x - 11y

stion # 2 of 40 (Start time: 03:38:25 PM, 11 July 2020) Total

Project Management, Critical Path method is based on ---------- times.

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Select the correct option

- deterministic
- probabilistic
- stochastic
- serial

MTH601:Grand Quiz

Quiz Start Time: 03:36 PM, 11 July 202

Question # 1 of 40 (Start time: 03:36:46 PM, 11 July 2020)

Total Marks:

The Mean and Variance of probabilistic nature of activity times in PERT are expressed by ----------distribution.

Select the correct option

- Bernoulli
- Beta
- Chi
- Binomial