

MTH601 QUIZ(2)

Lecture: 12 to 18

RIZ MUGHAL
SQA ENGINEER:

I'm providing 100% correct quiz solution.

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MTH601:Quiz

Quiz Start Time

Question # 1 of 10 (Start time: 04:38:45 PM, 05 June 2021)

Which of the following would be the objective of the revenue in a production of cell phones?

Riz Mughal

Select the correct option

- ○ Average
- ○ Minimization
- ● Maximization
- ○ Inflection

MTH601:Quiz Quiz Start Tim

Question # 2 of 10 (Start time: 04:39:12 PM, 05 June 2021)

Modeling of a Linear Programming problem from a real life world is a/an ------ .

Riz Mughal

Select the correct option

- technology
- science
- engineering
- art

MTH601:Quiz

Quiz Start Time: 04:38 PM, 05

Question # 3 of 10 (Start time: 04:39:35 PM, 05 June 2021)

To

For ABC analysis, in the Random Sample of some items, the ranks to the items are assigned with respect to their ----------

Select the correct option

- largest annual unit cost
- lowest annual unit cost
- largest annual usage value
- lowest annual usage value

Riz Mughal

MTH601:Quiz

Quiz Start Time: 04:38

Question # 4 of 10 (Start time: 04:39:56 PM, 05 June 2021)

In the Purchasing Model with Shortages the Cost Function 'C(S,Q)' can also be expressed as function of ----------

Select the correct option

- (t,D)
- (S,D)
- (S,t)
- (Q,D)

Riz Mughal

MTH601:Quiz

Quiz Start Time: 04:38 PM, 05 June

Question # 5 of 10 (Start time: 04:40:15 PM, 05 June 2021)

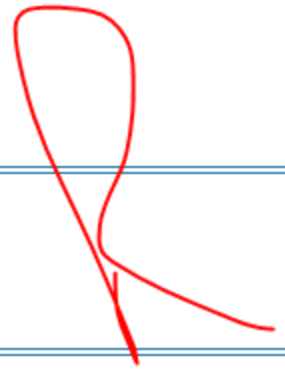
Total M

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

Select the correct option

- 02
- 0.50
- 2.50
- 1.50

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MTH601:Quiz

Quiz Start Time: 04:38 F

Question # 6 of 10 (Start time: 04:40:37 PM, 05 June 2021)

In an optimization problem, we seek for maximizing or minimizing a specific quantity, called the ----------.

Riz Mughal

Select the correct option

- feasible solution
- constraints
- decision variables
- objective function

MTH601:Quiz

Quiz Start Time: 04

Question # 7 of 10 (Start time: 04:41:08 PM, 05 June 2021)

Which of the following is true about the Manufacturing model without Shortage?

Riz Mughal

Select the correct option

- (●) Demand rate < Replacement rate
- ( ) Demand rate > Replacement rate
- ( ) Demand rate = Replacement rate
- ( ) None of the above choices

MTH601:Quiz

Quiz Start Time: 04:38 PM, 05 June 2021

Question # 8 of 10 (Start time: 04:41:32 PM, 05 June 2021) **Total Marks:** 1

In the Dynamic Order Quantity problem if the ratio of Setup and Carrying Costs is '500' and the Demands of 2nd and 3rd months are 50 and 120 respectively then which of the following is true about the 2nd month's requirment?

Select the correct option

- (●) 2nd month demand will have to fulfill in 2nd month
- ( ) 2nd month demand can be included in 3rd month
- ( ) 2nd month demand can be included in 1st month
- ( ) 2nd month demand can be included in any month of the year

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MTH601:Quiz Quiz Star

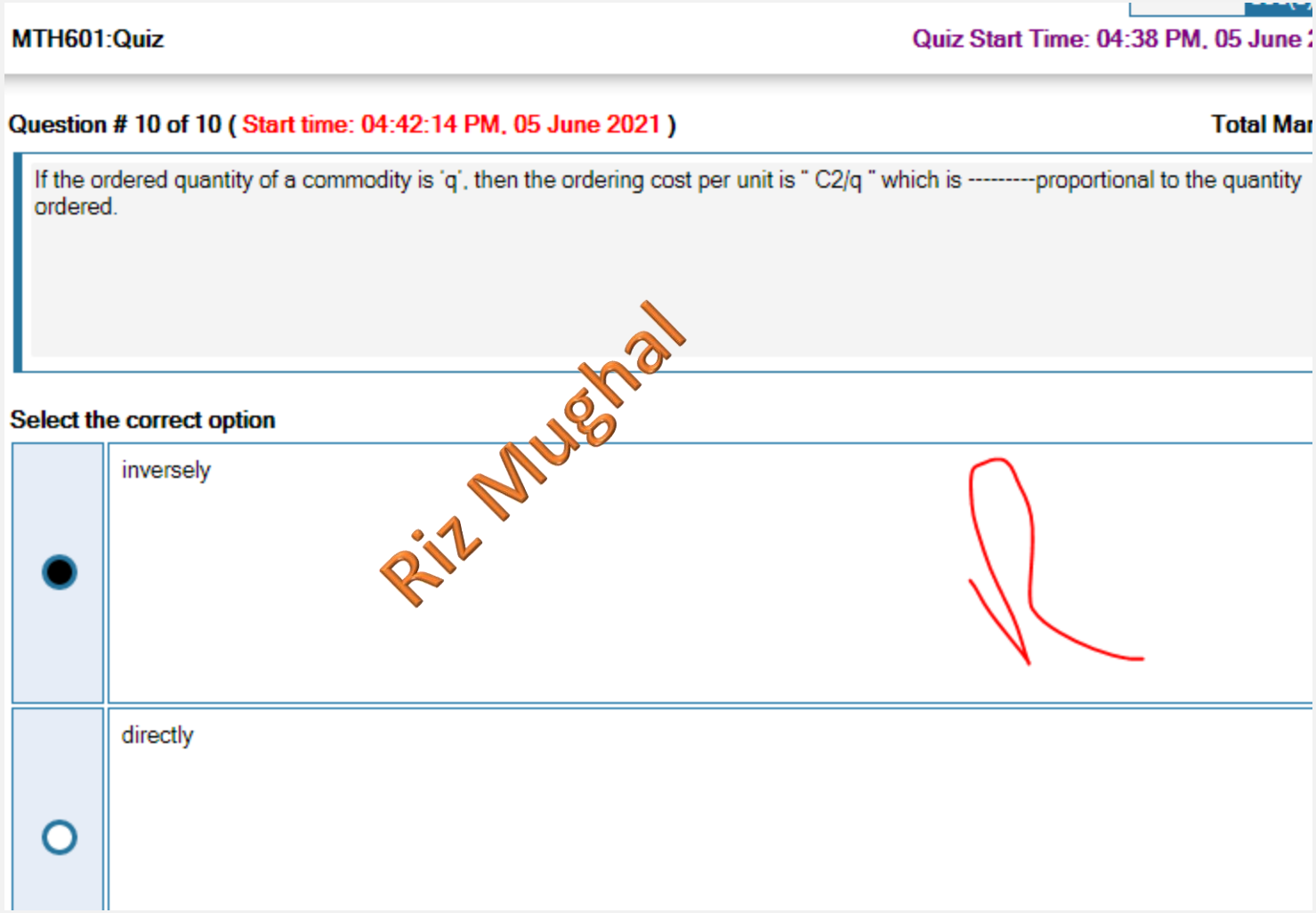
Question # 9 of 10 (Start time: 04:41:57 PM, 05 June 2021)

If we increase the inventory, then the shortage cost will ----------.

Riz Mughal

Select the correct option

- uncertain
- decrease
- increase
- remain constant


MTH601:Quiz
Quiz Start Time: 04:38 PM, 05 June
Question # 10 of 10 (Start time: 04:42:14 PM, 05 June 2021)
Total Mar
If the ordered quantity of a commodity is 'q', then the ordering cost per unit is " C2/q " which is ---------proportional to the quantity ordered.
Select the correct option
inversely
directly
Riz Mughal

2nd account

MTH601:Quiz Quiz Start Time: 0

Question # 1 of 10 (Start time: 04:44:11 PM, 05 June 2021)

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

Select the correct option

- (●) turn over value
- ( ) cost value
- ( ) demand value
- mark up value

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MTH601:Quiz

Quiz Start Time: 04:44 P

Question # 2 of 10 (Start time: 04:44:39 PM, 05 June 2021)

In an optimization problem, we seek for maximizing or minimizing a specific quantity, called the ----------.

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Select the correct option

- (●) objective function
- ( ) feasible solution
- ( ) constraints
- ( ) decision variables

MTH601:Quiz

Quiz Start Time: 04:44 PM.

Question # 3 of 10 (Start time: 04:44:54 PM, 05 June 2021)

For ABC analysis, in the Random Sample of some items, the ranks to the items are assigned with respect to their ------

Riz Mughal

Select the correct option

- ○ lowest annual unit cost
- ● largest annual usage value
- ○ largest annual unit cost
- ○ lowest annual usage value

MTH601:Quiz Quiz Start

Question # 4 of 10 (Start time: 04:45:14 PM, 05 June 2021)

Which of the following would be the objective of the revenue in a production of cell phones?

Select the correct option

- ○ Average
- ● Maximization
- ○ Inflection
- ○ Minimization

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MTH601:Quiz Quiz Sta

Question # 5 of 10 (Start time: 04:45:33 PM, 05 June 2021)

Which of the following is true about the Manufacturing model without Shortage?

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Select the correct option

- Demand rate = Replacement rate
- None of the above choices
- Demand rate > Replacement rate
- Demand rate < Replacement rate

MTH601:Quiz Quiz Start Tim

Question # 6 of 10 (Start time: 04:45:52 PM, 05 June 2021)

Linear Programming is the backbone of Operations Research models due to---------.

Select the correct option

- (●) its fantastic computational efficiency
- ( ) non-negativity of decision variables
- ( ) unrestricted signs of decision variables
- ( ) linearity of objective function and constraints

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MTH601:Quiz

Quiz Start Time: 04:44 PM, 05 Jun

Question # 7 of 10 (Start time: 04:46:21 PM, 05 June 2021) **Total M**

Holding Cost is ---------- proportional to the quantity to be kept in stock and the time to which the inventory is maintained.

Select the correct option

- directly
- inversely

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MTH601:Quiz

Quiz Start Time: 04:44 PM, 05 June 202

Question # 8 of 10 (Start time: 04:46:37 PM, 05 June 2021) **Total Marks:**

Which of the following correspond to the practical limitations of available resources while modeling a real life situation into a linear program?

Select the correct option

- Decision variables
- Constraints
- Linear function
- Objective function

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MTH601:Quiz

Quiz Start Time: 04:

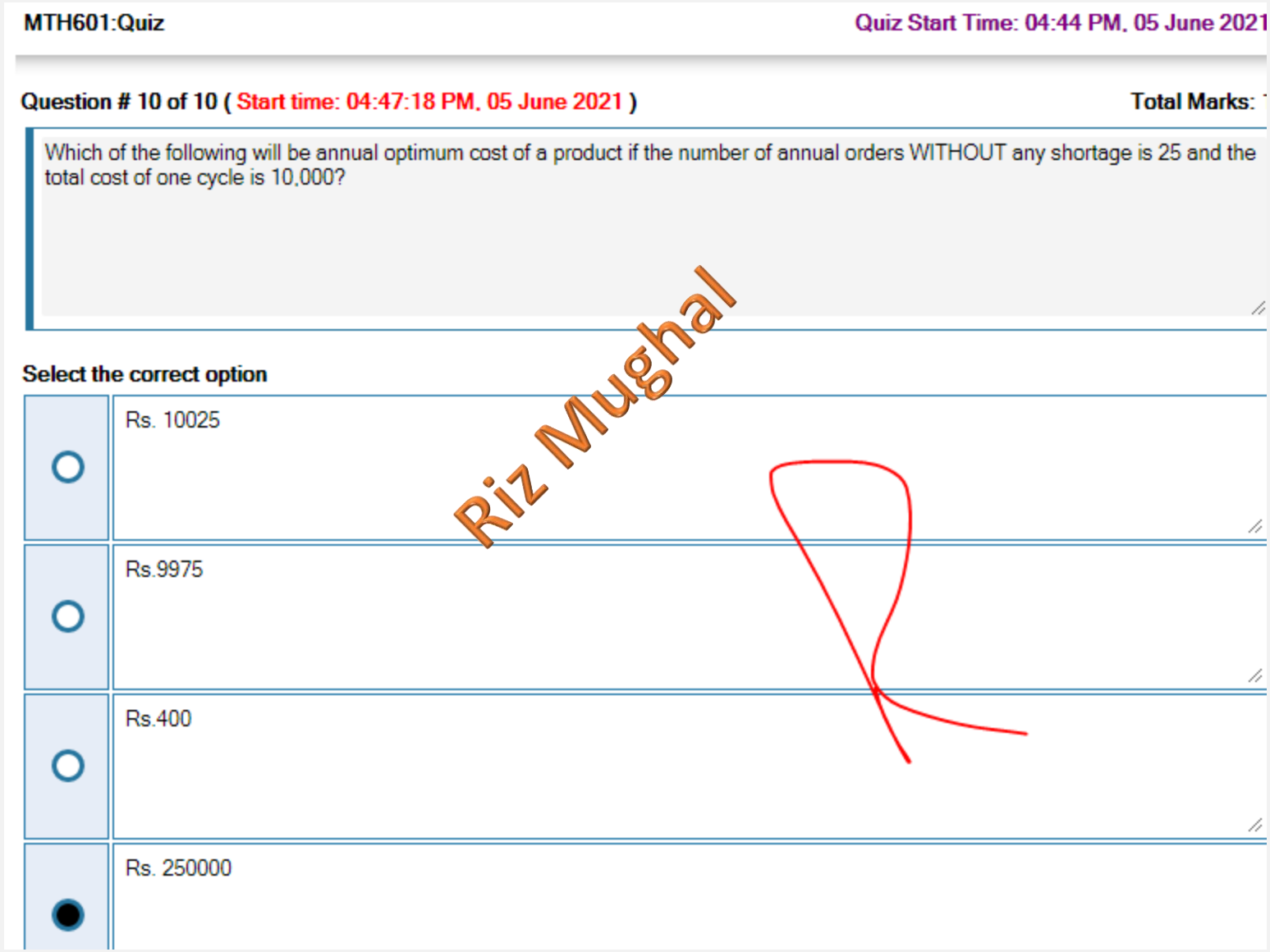
Question # 9 of 10 (Start time: 04:46:56 PM, 05 June 2021)

For an industrialist, optimization means ----------.

Select the correct option

- change the business strategy and looking forward new customers
- maximizing its profit only
- minimizing its cost only
- both maximizing its profit and minimizing its cost

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MTH601:Quiz
Quiz Start Time: 04:44 PM, 05 June 2021
Question # 10 of 10 (Start time: 04:47:18 PM, 05 June 2021)
Total Marks:
Which of the following will be annual optimum cost of a product if the number of annual orders WITHOUT any shortage is 25 and the total cost of one cycle is 10,000?
Select the correct option
Rs. 10025
Rs.9975
Rs.400
Rs. 250000
Riz Mughal

3rd account

MTH601:Quiz **Quiz Start Time:**

Question # 1 of 10 (Start time: 04:50:37 PM, 05 June 2021)

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 control the inventories
- To classify the items in different categories
- To replace the required items in proper time

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MTH601:Quiz

Quiz Start Time: 04:50 PM, 05 June 2

Question # 2 of 10 (Start time: 04:51:00 PM, 05 June 2021)

Total Mar

Holding Cost is ---------- proportional to the quantity to be kept in stock and the time to which the inventory is maintained.

Select the correct option

- inversely
- directly

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MTH601:Quiz

Quiz Start Time: 04:50 PM, 05 .

Question # 3 of 10 (Start time: 04:52:19 PM, 05 June 2021) Tota

If the purchases are made in large quantities then the Economic Order Quanti ty model may fail because ----------.

Riz Mughal

Select the correct option

- ○ the Holding Cost will decrease
- ○ the Setup Cost will decrease
- ○ the Setup Cost will increase
- ● the Holding Cost will increase

MTH601:Quiz

Quiz Start Time: 04:50 PM, 05 June 2021

Question # 4 of 10 (Start time: 04:52:40 PM, 05 June 2021)

Total Marks:

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?

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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

MTH601:Quiz

Quiz Start Time: 04:50 PM

Question # 5 of 10 (Start time: 04:52:59 PM, 05 June 2021)

In an optimization problem, we seek for maximizing or minimizing a specific quantity, called the ----------.

Select the correct option

- constraints
- feasible solution
- objective function
- decision variables

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MTH601:Quiz

Quiz Start Time: 04:5

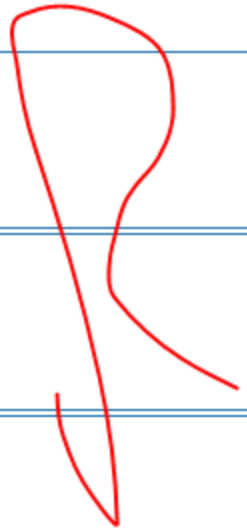
Question # 6 of 10 (Start time: 04:53:18 PM, 05 June 2021)

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

Select the correct option

- maximized
- standardized
- optimized
- minimized

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MTH601:Quiz

Quiz Start Time: 04:5(

Question # 7 of 10 (Start time: 04:53:35 PM, 05 June 2021)

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

Riz Mughal

Select the correct option

- (●) Minimization
- ( ) Maximization
- ( ) Inflection
- ( ) Average

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Quiz Start Time: 04:50 PM, 05 June 2021

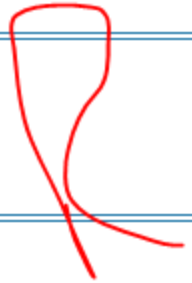
Question # 8 of 10 (Start time: 04:53:52 PM, 05 June 2021) **Total Marks:** 1

By putting the Replacement Rate 'R?Infinity' and Shortage Cost 'C4?Infinity' in the Economic Order Quantity(EOQ) of Manufacturing Model with allowed Shortage, then the result is ----------

Select the correct option

- EOQ of Manufacturing Model without Shortage
- EOQ of Purchasing Model with allowed Shortage
- EOQ of Wilson's Model
- Invariant

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Quiz Start Time: 04:50 PM.

Question # 9 of 10 (Start time: 04:54:11 PM, 05 June 2021)

In the Purchasing Model with Shortages the Cost Function 'C(S,Q)' can also be expressed as function of ----------.

Riz Mughal

Select the correct option

- (t,D)
- (S,t)
- (Q,D)
- (S,D)

MTH601:Quiz

Quiz Start Time: 04:50 PM, 05 June 202

Question # 10 of 10 (Start time: 04:54:29 PM, 05 June 2021) **Total Marks**

Which of the following correspond to the practical limitations of available resources while modeling a real life situation into a linear program?

Riz Mughal

Select the correct option

- (●) Constraints
- ( ) Objective function
- ( ) Linear function
- ( ) Decision variables

Thank you for watching ☺

Share with your fellows

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