



MTH501 QUIZ(1)

Lecture: 10 to 16

RIZ MUGHAL SQA ENGINEER:

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MTH501:Quiz No 1

Quiz Start Time: 11:27 AM

Question # 1 of 10 (Start time: 11:27:50 AM, 01 June 2021)

If a matrix equation is solved using the Jacobi's method, then which of the following is true about its main diagonal?

Select the correct option It has two zeros along its main diagonal. It has at least one zero along its main diagonal. It has more than two zeros along its main diagonal. It has more than two zeros along its main diagonal. It has no zeros along its main diagonal.

MTH501:Quiz No 1

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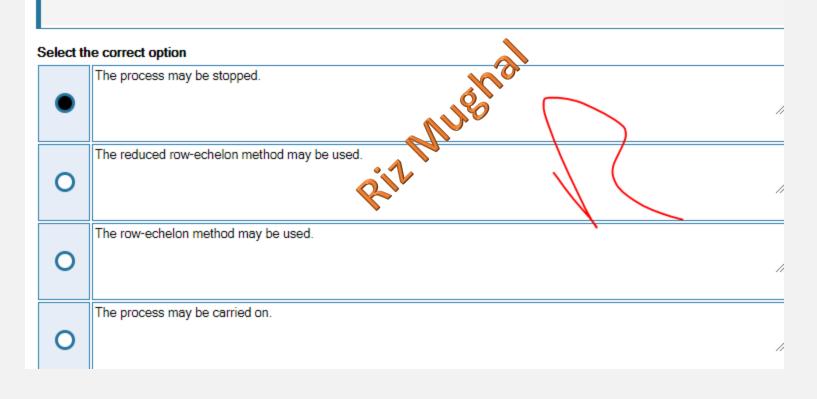
Quiz Start Time: 11:27 AM, 01 June 202

Question # 2 of 10 (Start time: 11:28:10 AM, 01 June 2021)

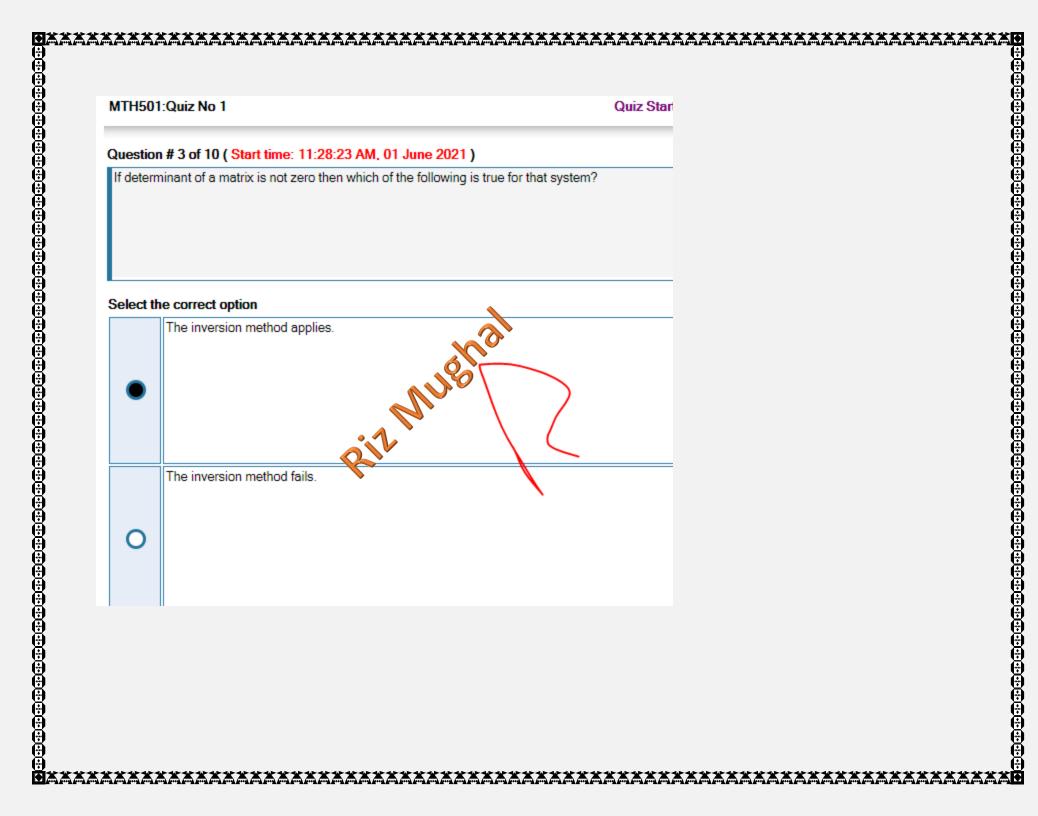
Total Marks

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As soon as an approximate solution of a linear system is sufficiently accurate for practical work then which of the following is true for an iterative process?



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MTH501:Quiz No 1

Quiz Start Time: 11:27 AM, 01 June 202

Question # 4 of 10 (Start time: 11:28:38 AM, 01 June 2021)

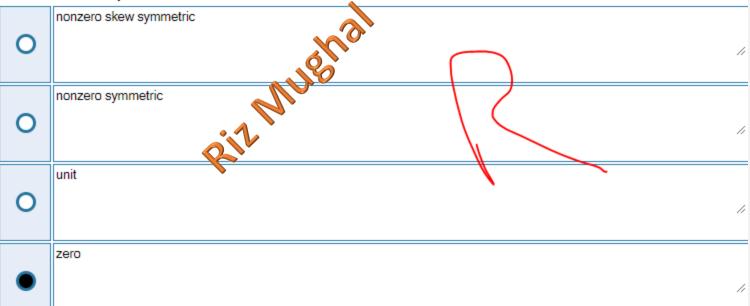
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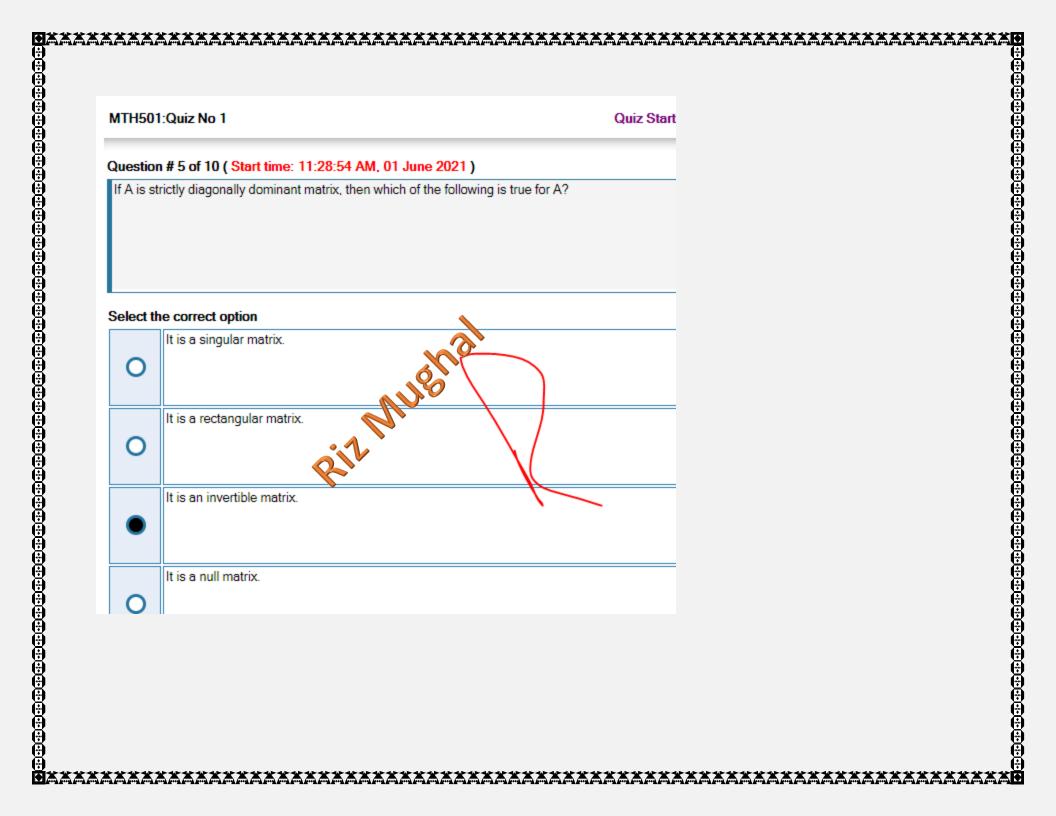
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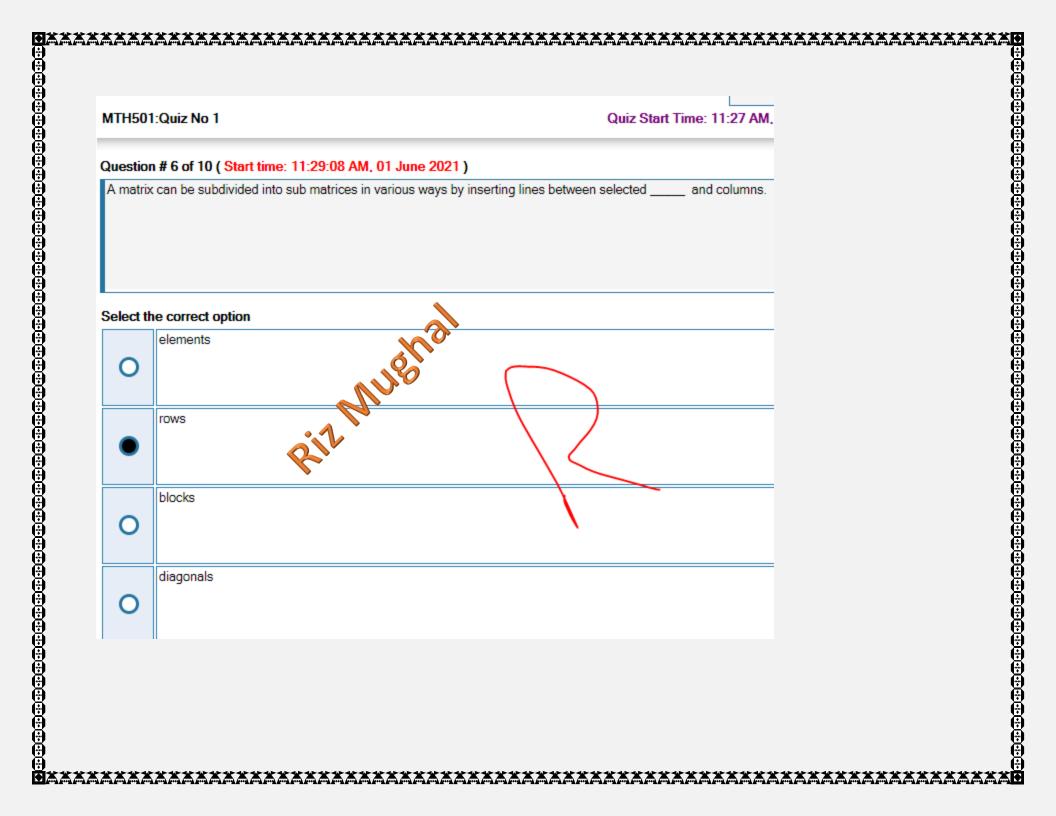
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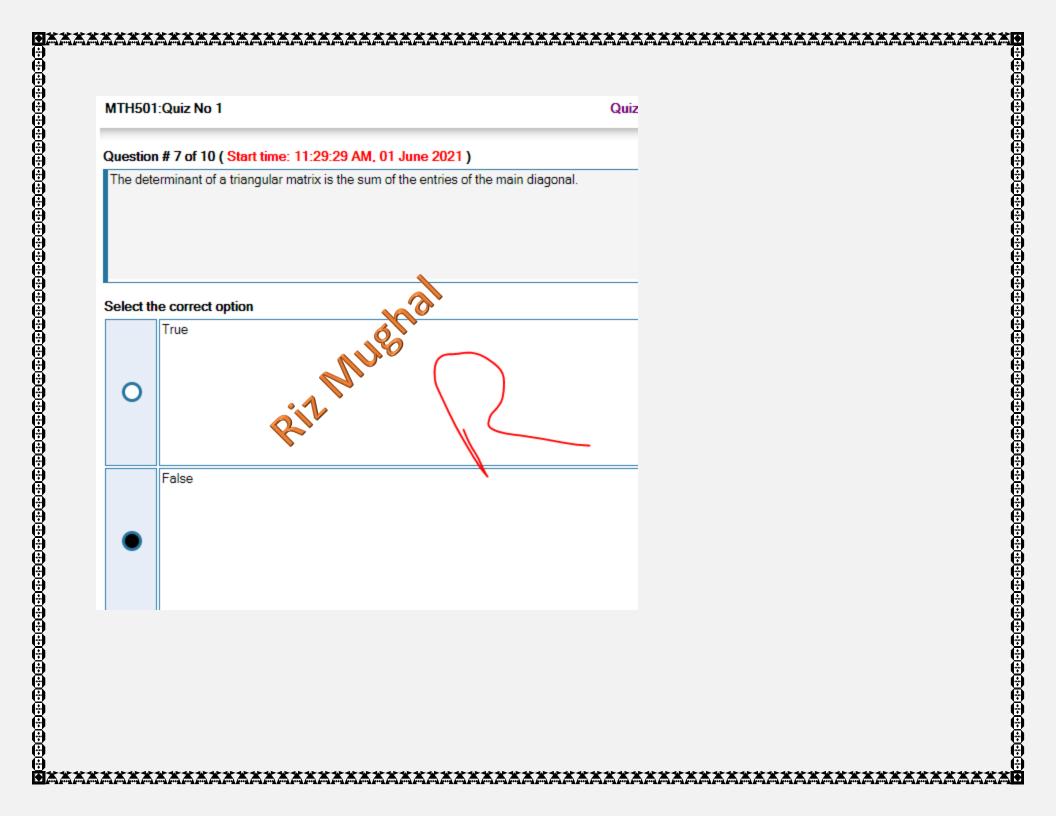
A partitioned matrix 'A' is said to be block diagonal if the matrices on the main diagonal are square and all other position matrices are

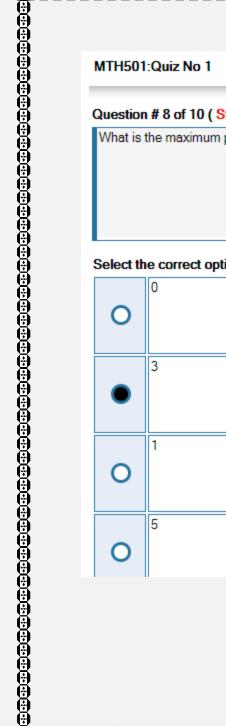
Select the correct option

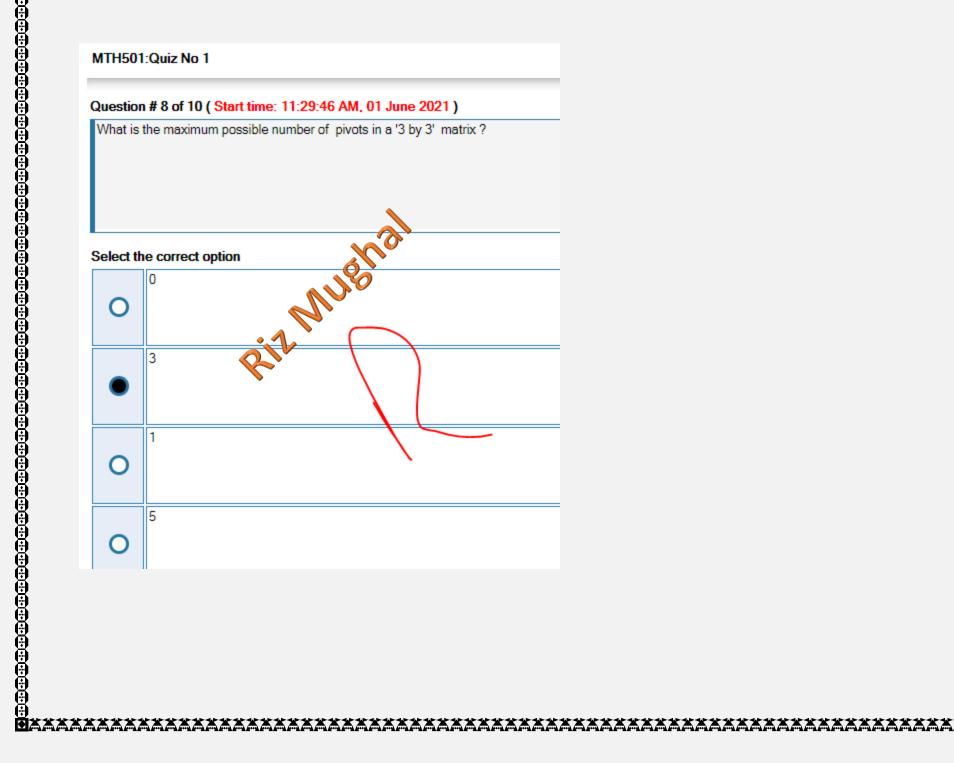






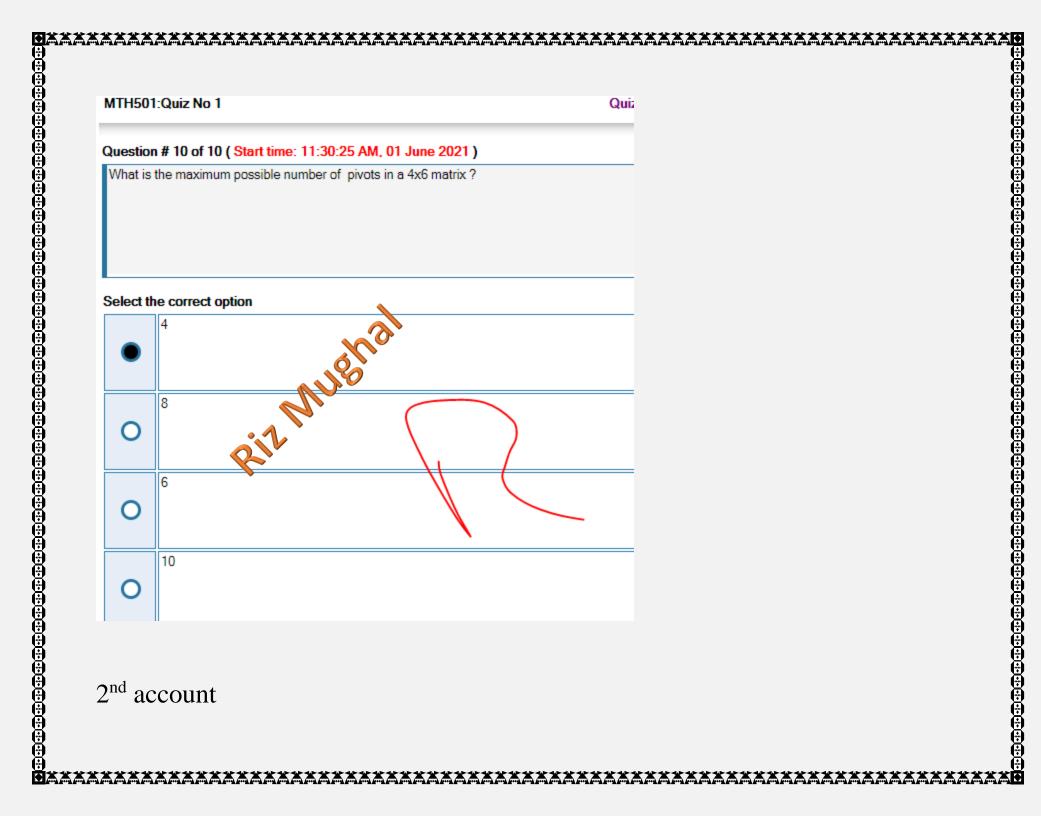


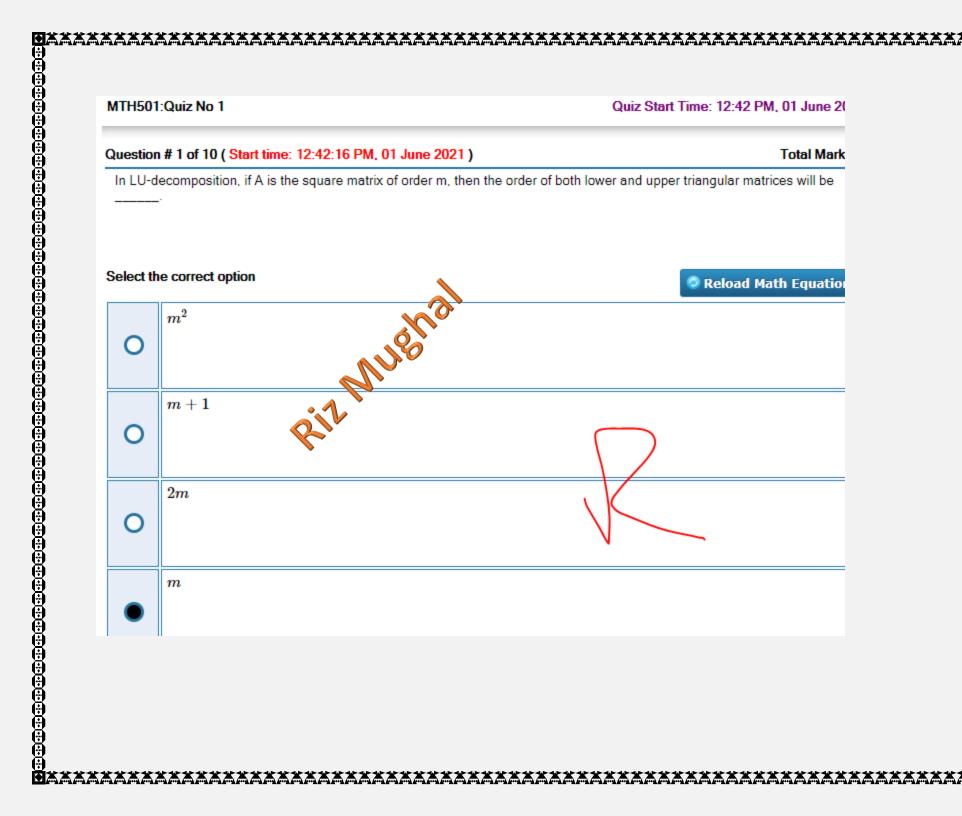


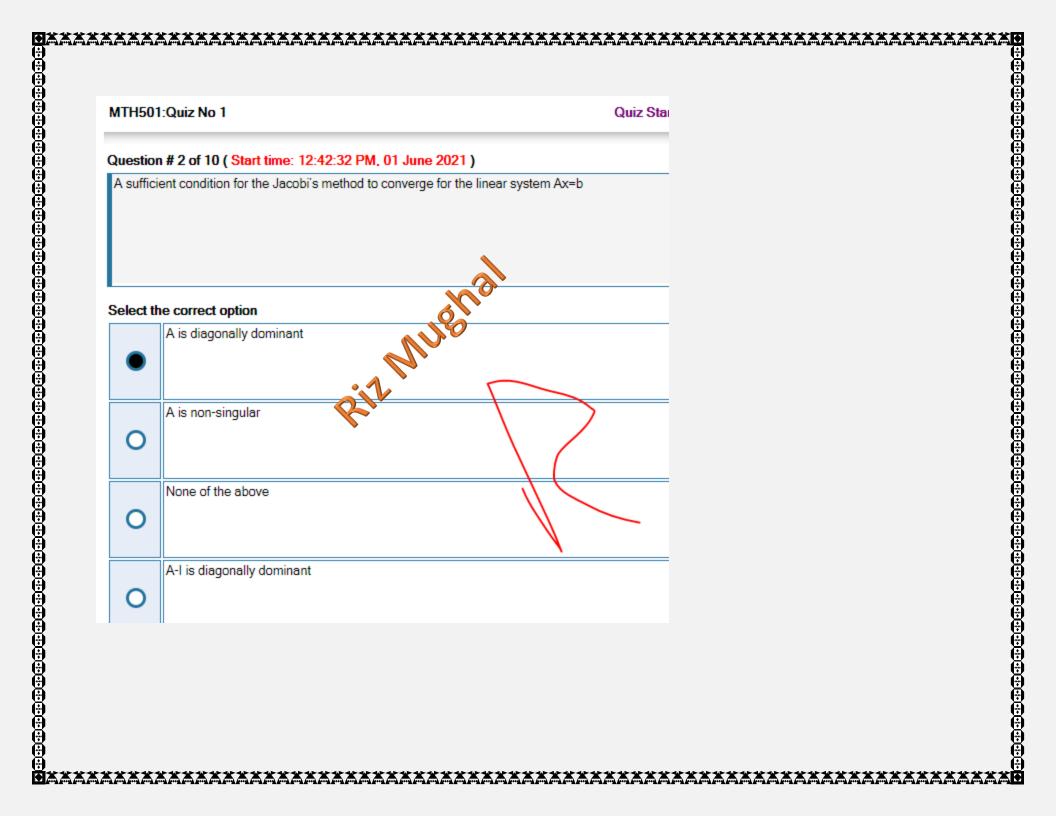


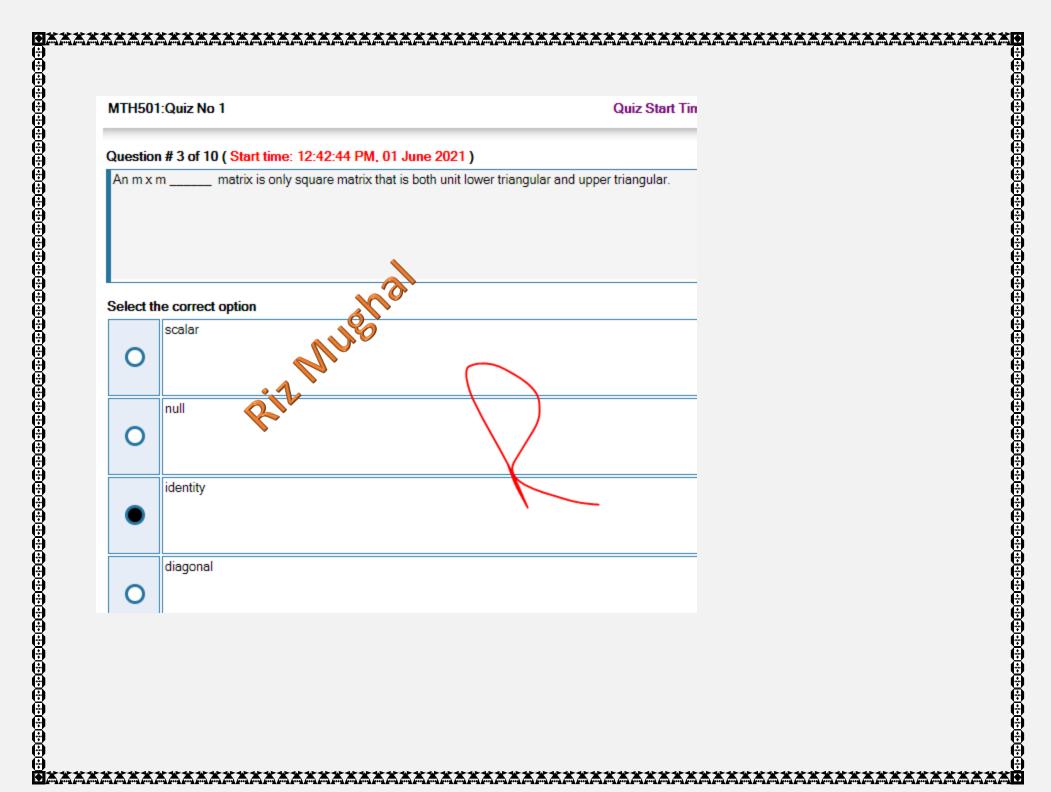
• F) MTH501:Quiz No 1 Quiz Start Tin Question # 9 of 10 (Start time: 11:30:01 AM, 01 June 2021) Let A be a square nxn matrix, then which of the following statement(s) is(are) equivalent? Select the correct option MUE (b) A is row equivalent to the nxn identity matrix. O (c) A has n pivot positions. O (d) Options (a to c). (a) A is an invertible matrix. O Õ ē

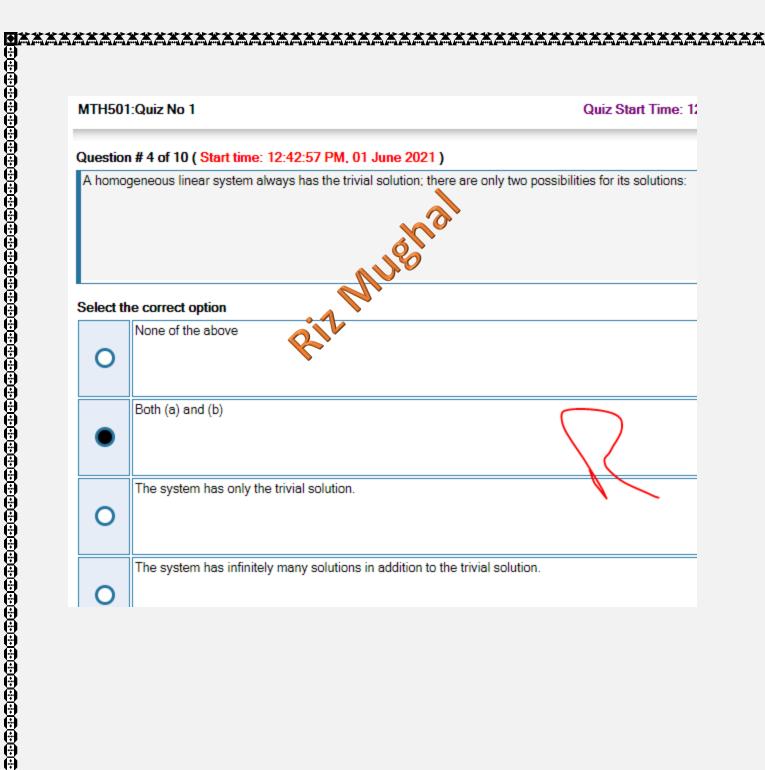
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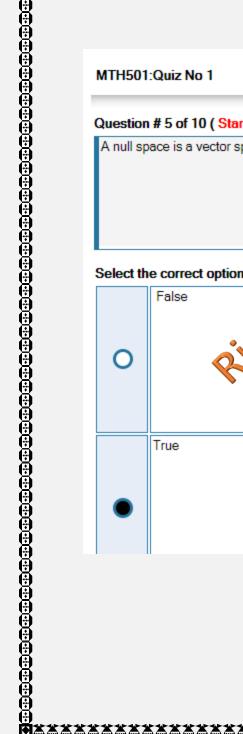






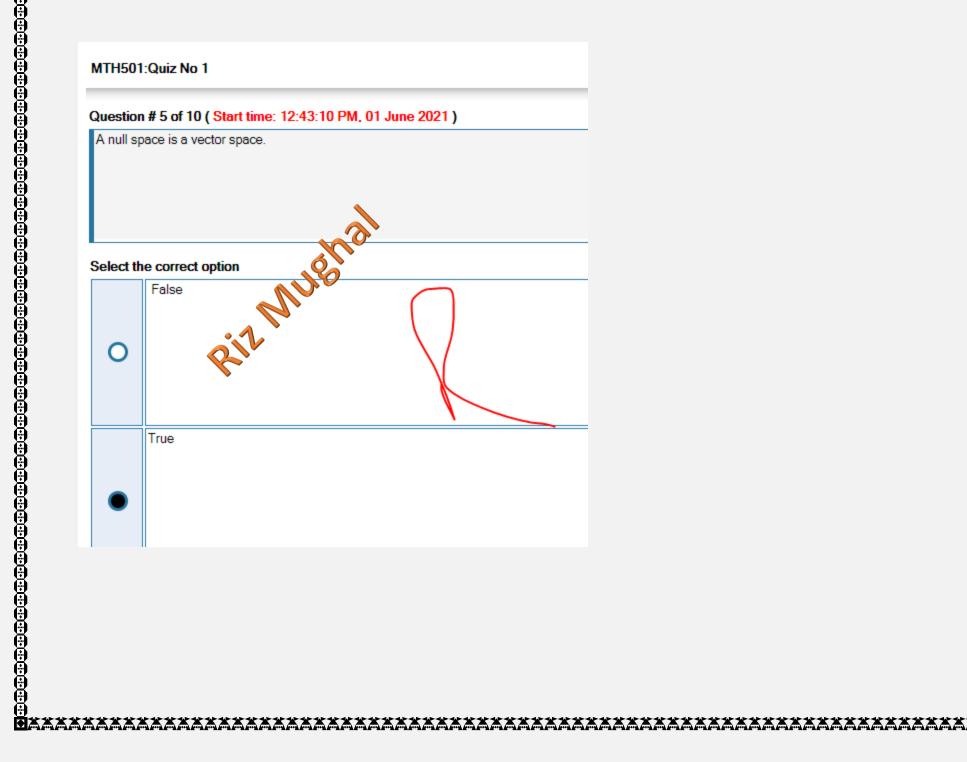
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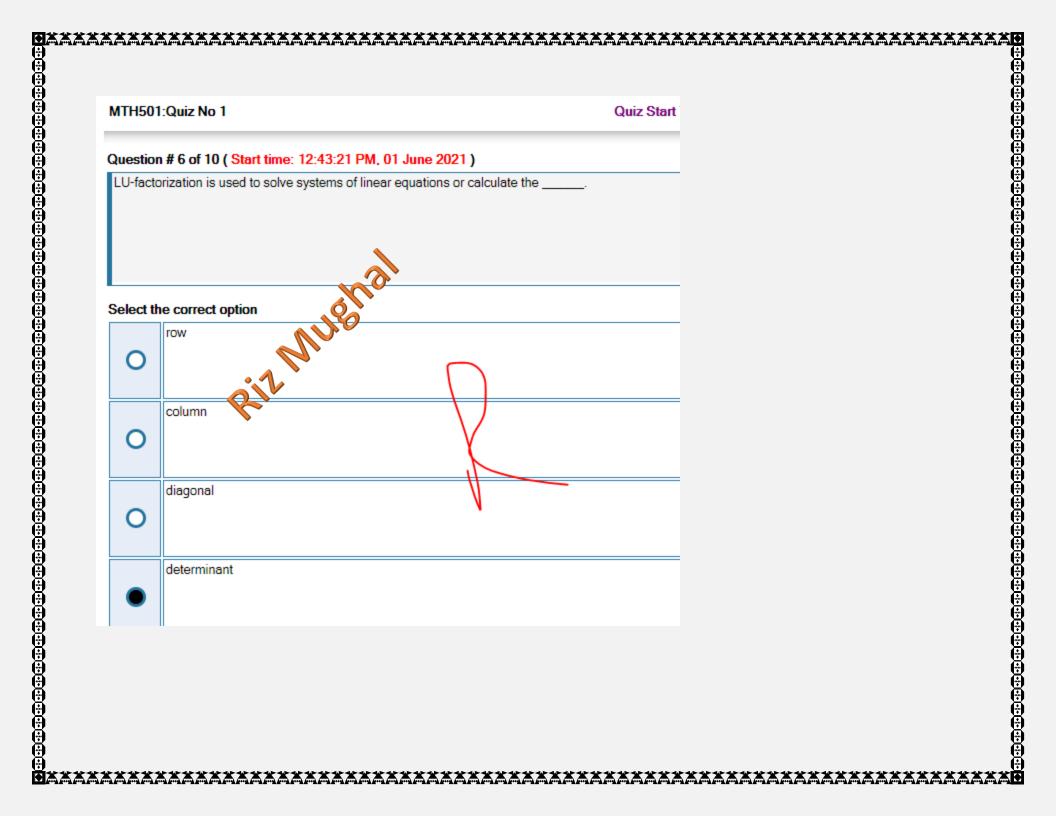
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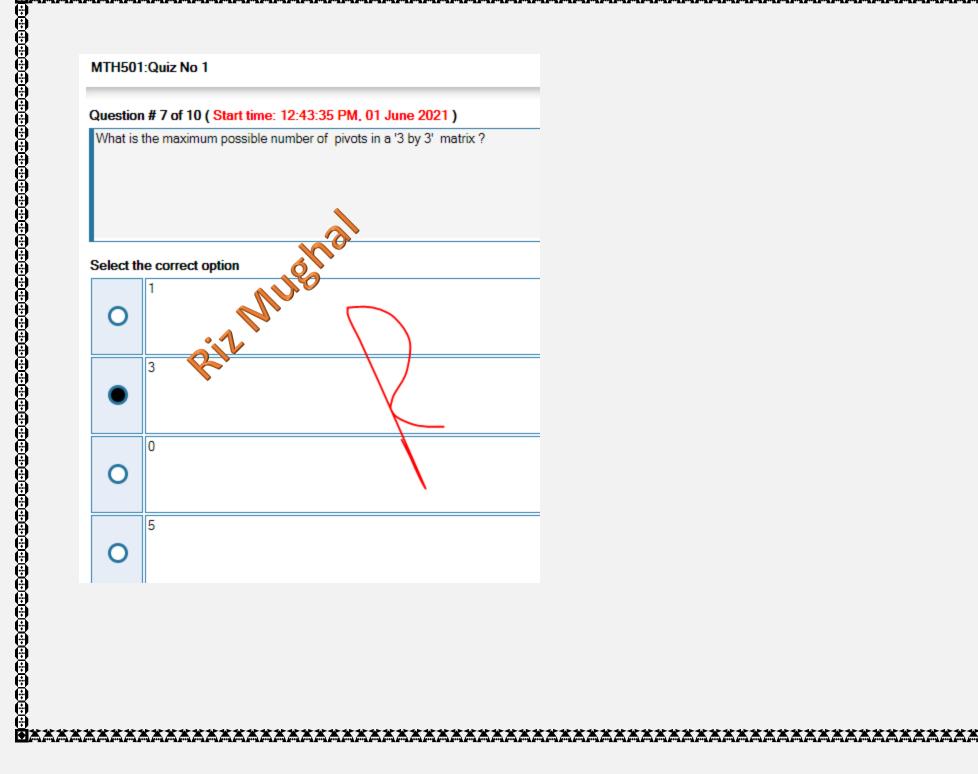


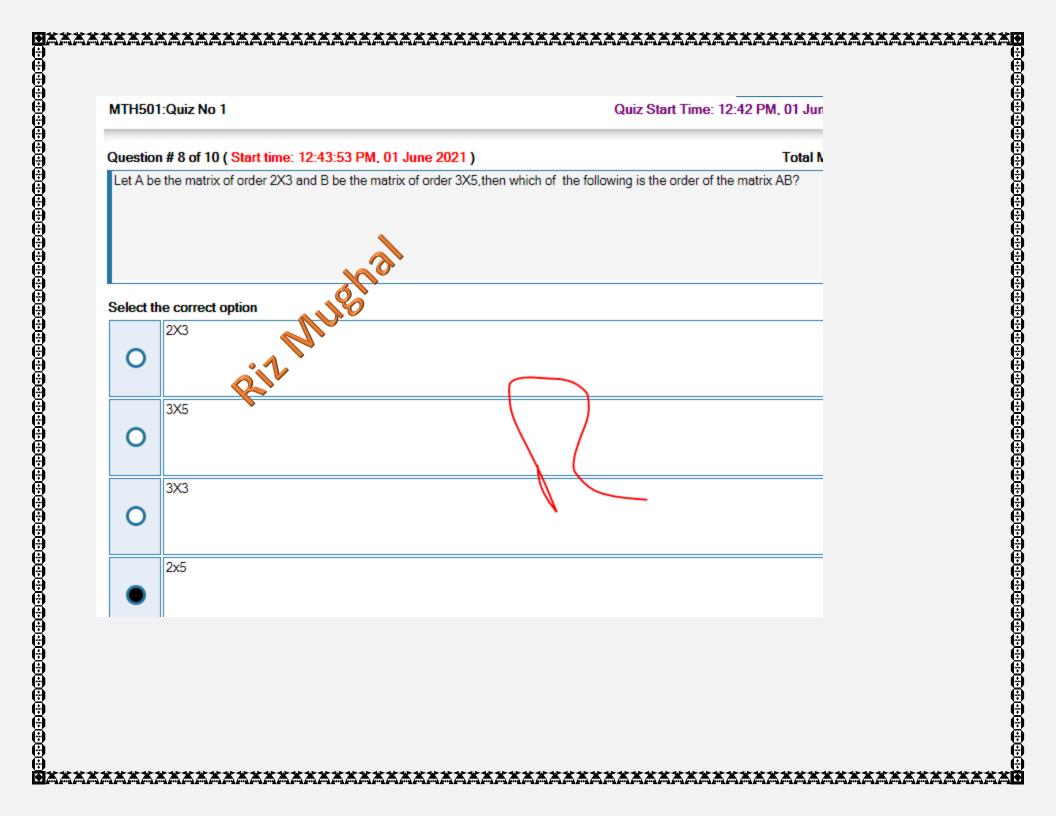


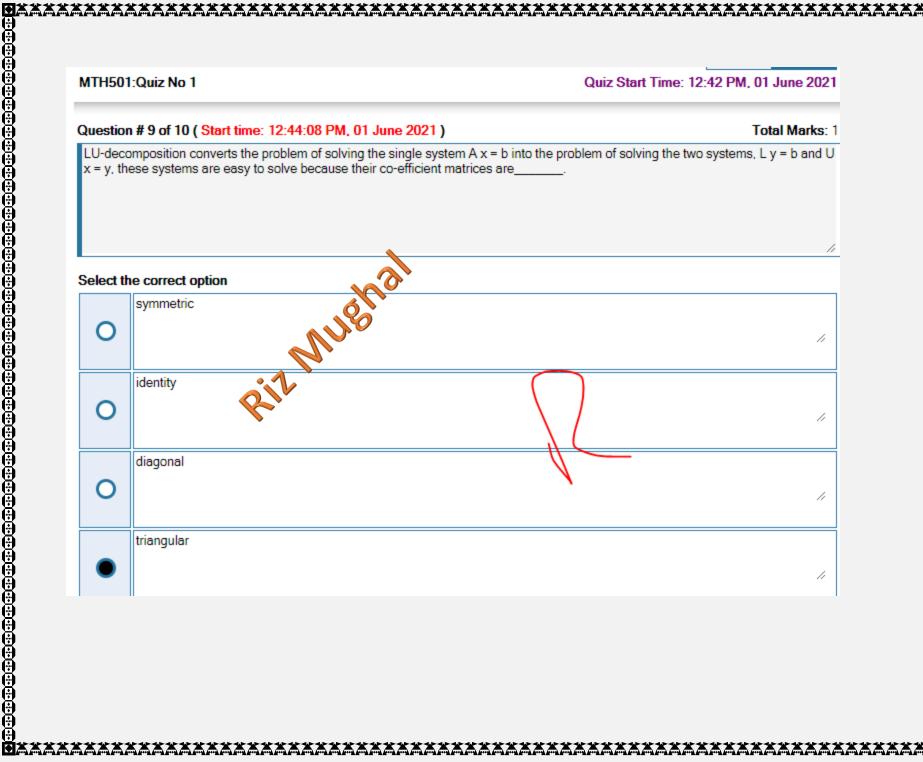




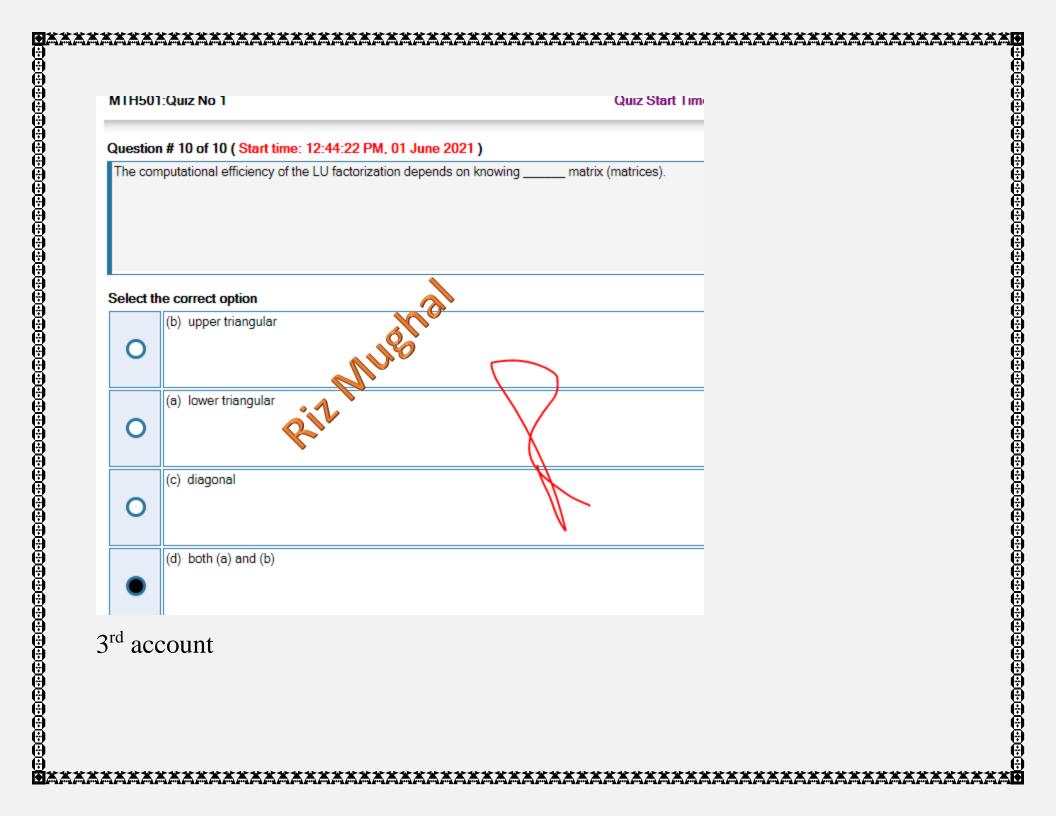


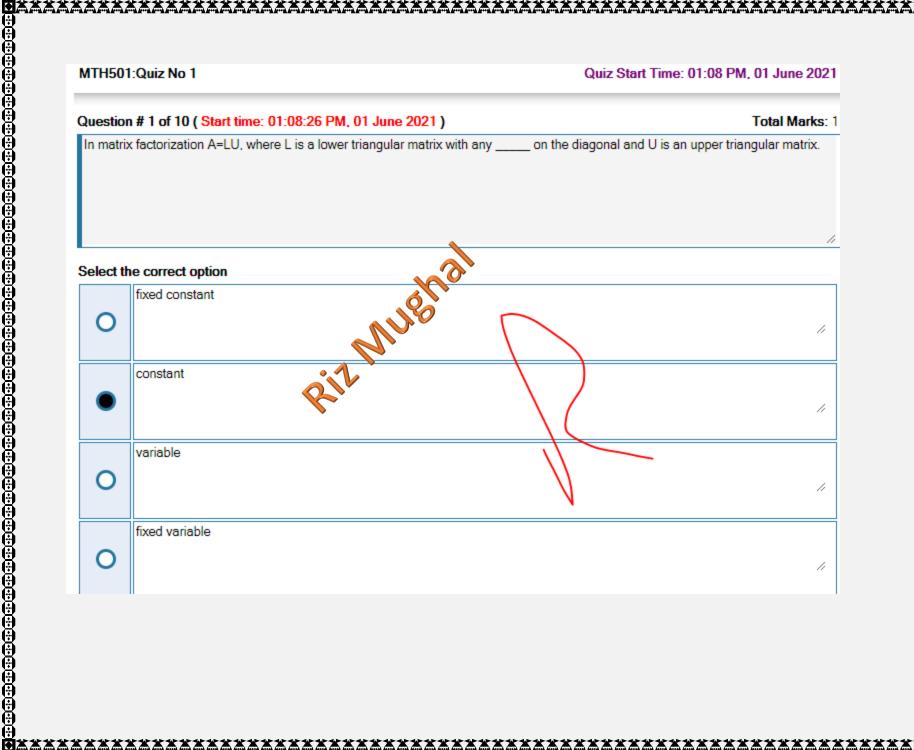




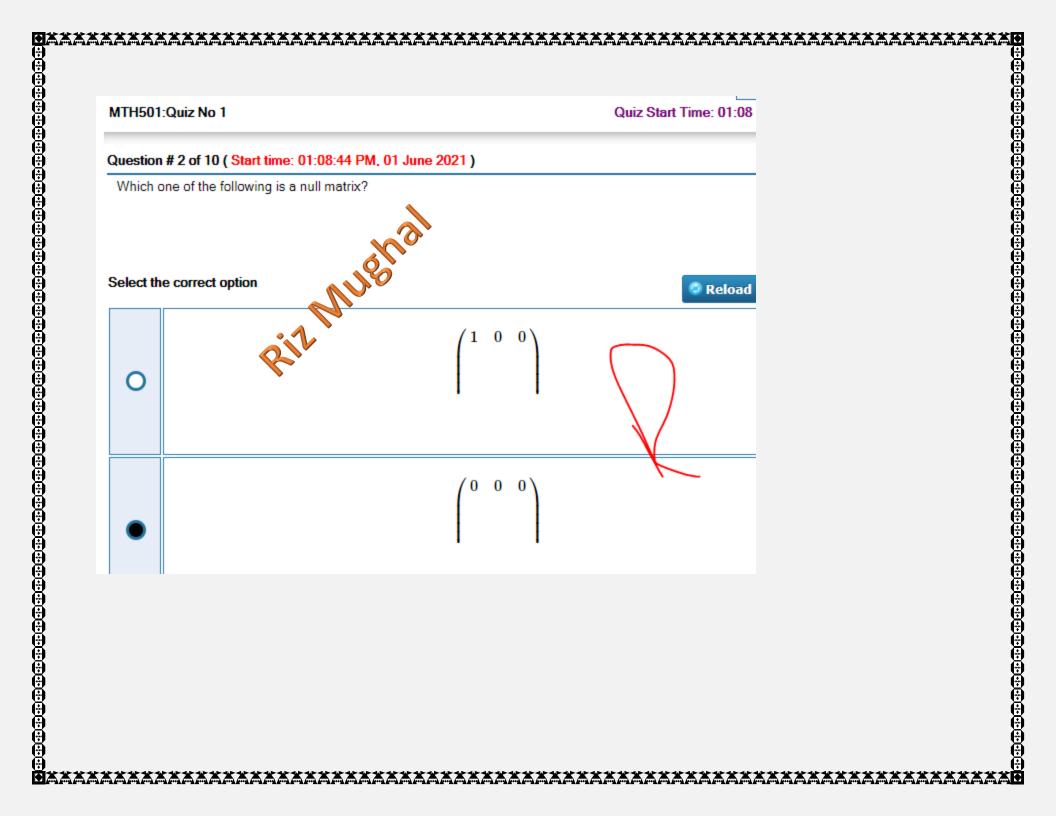


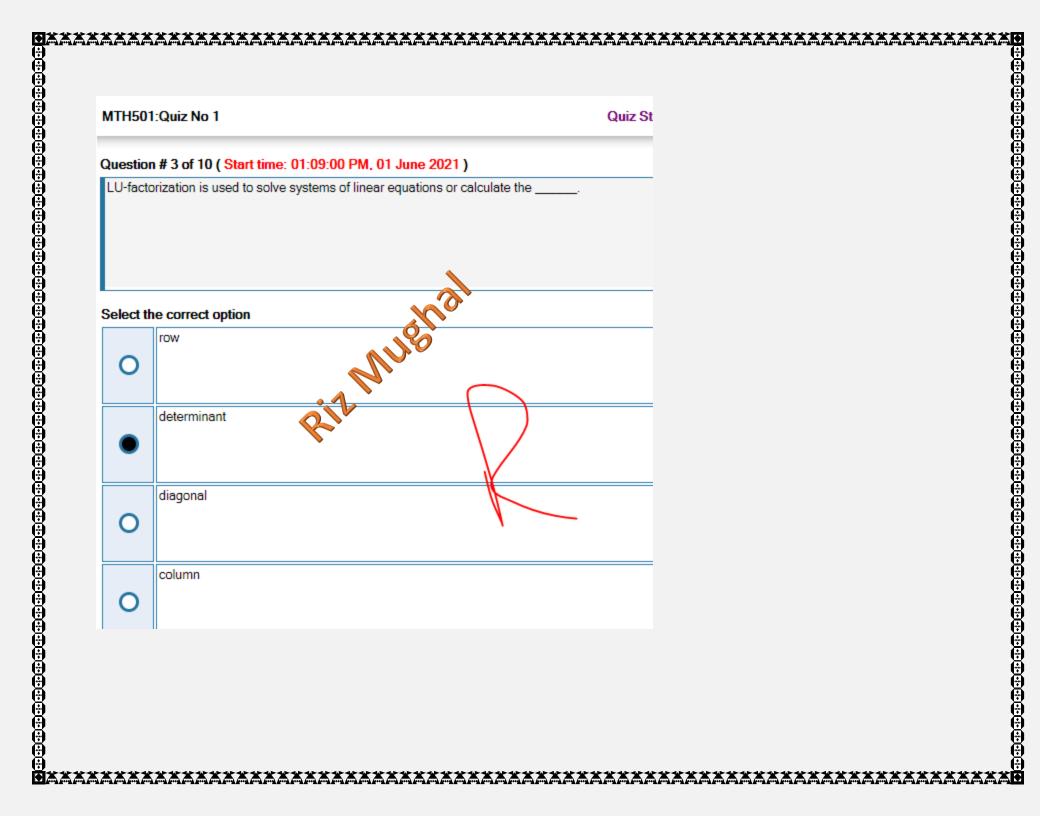
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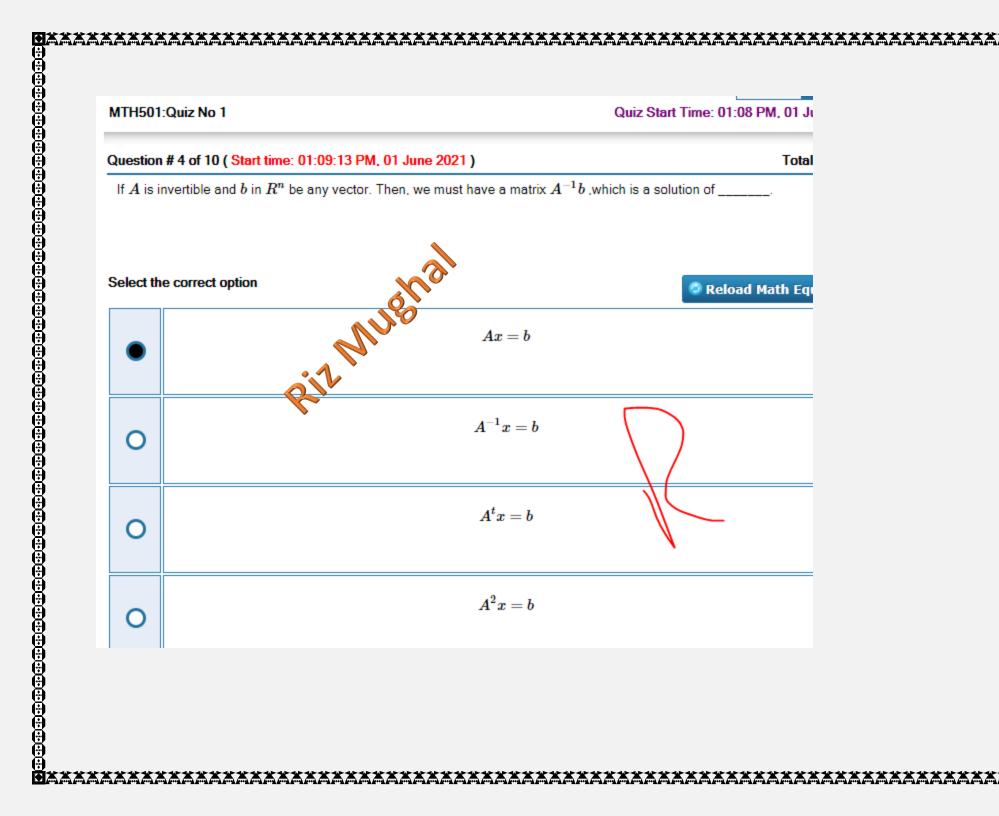




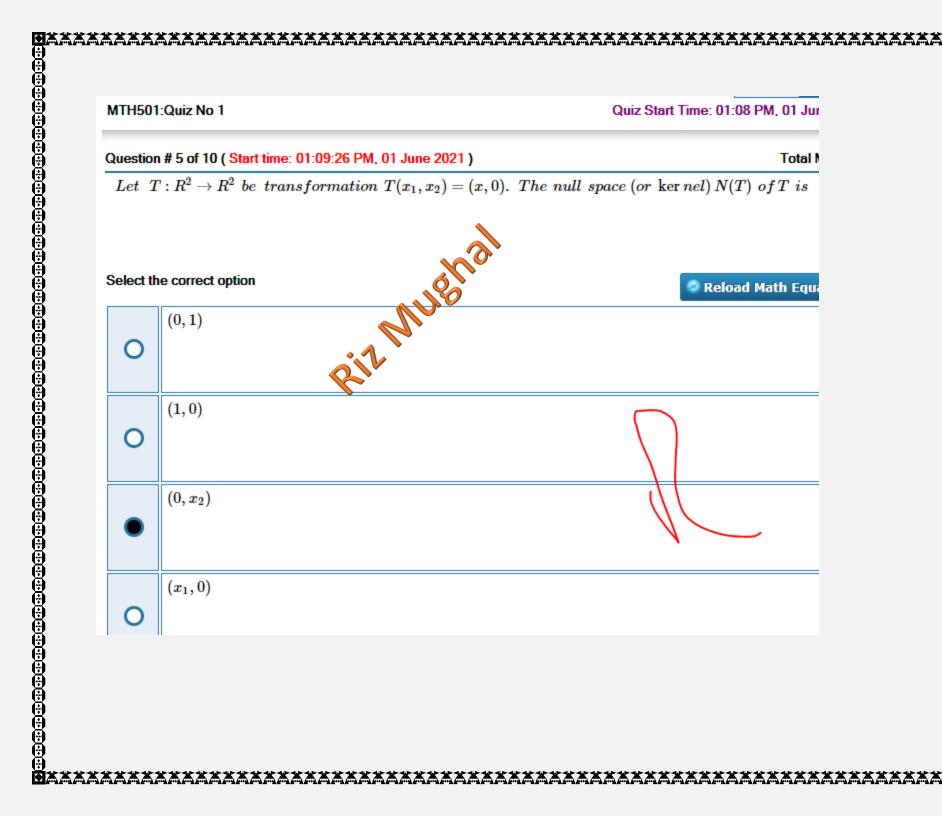
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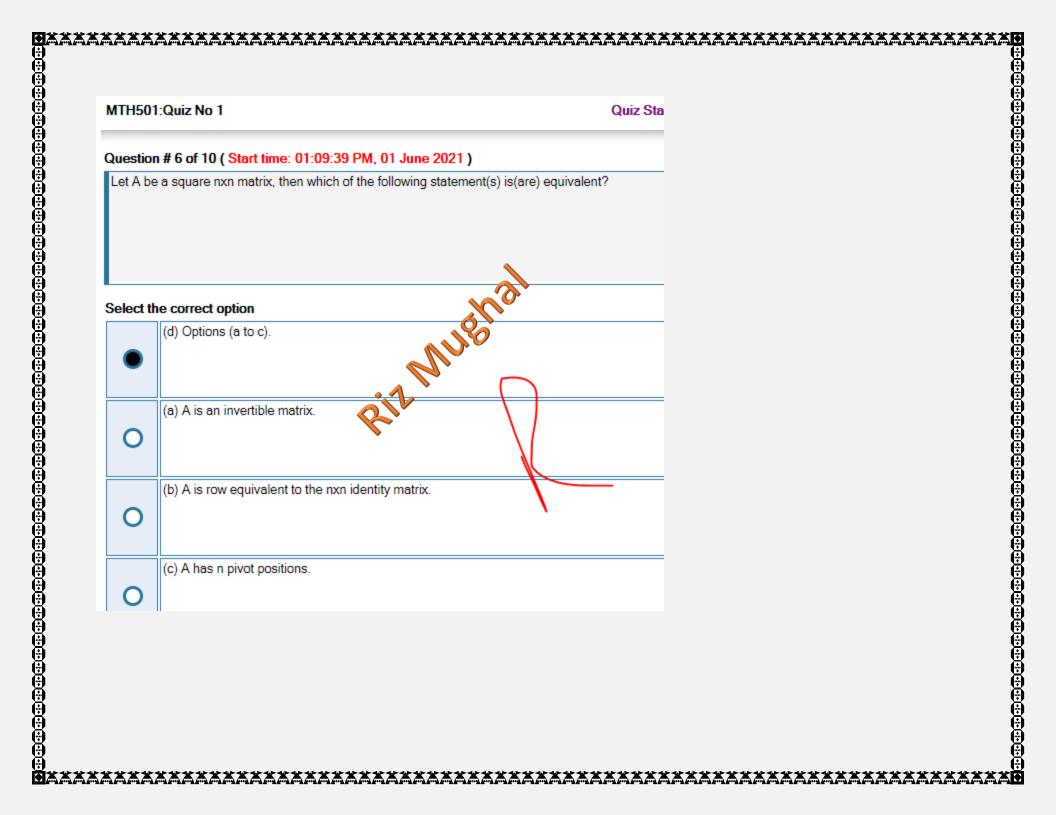


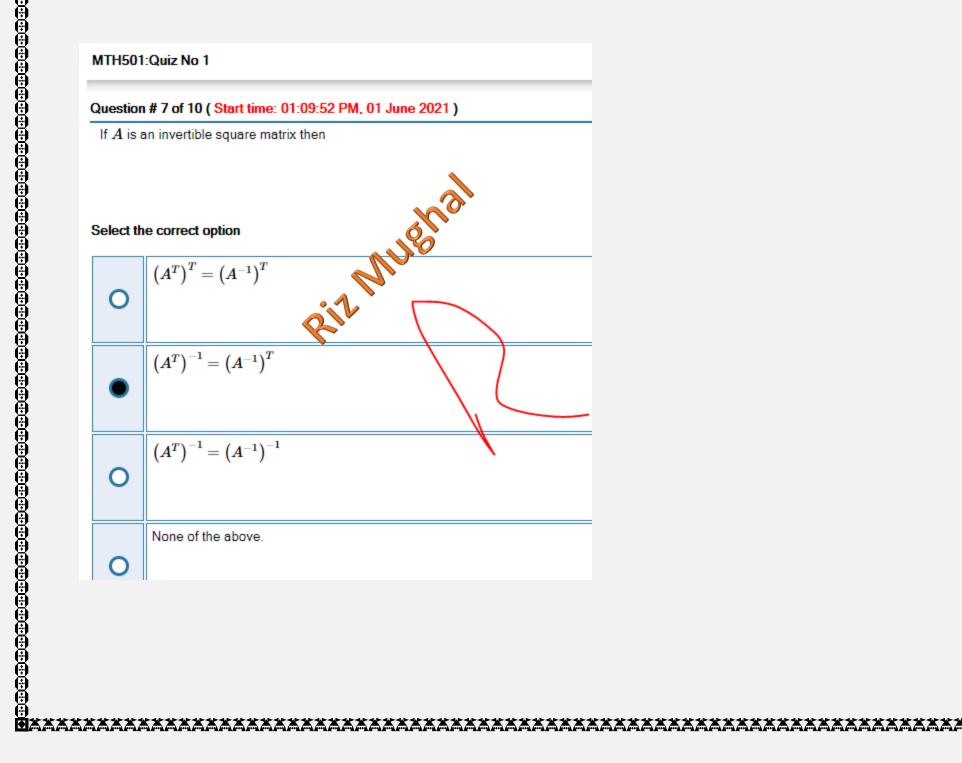


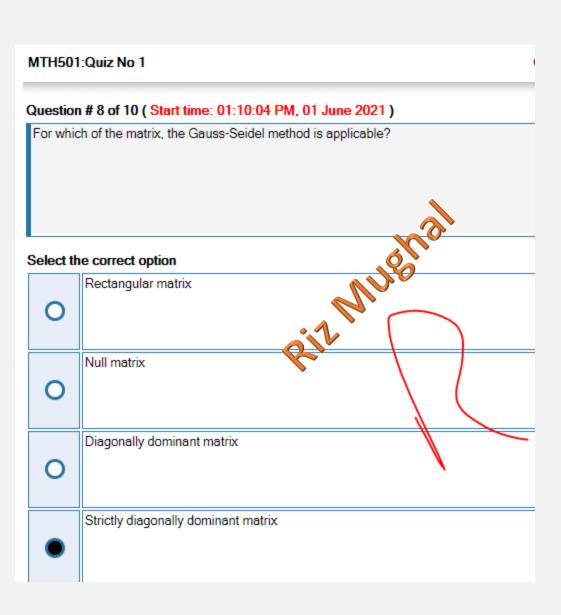


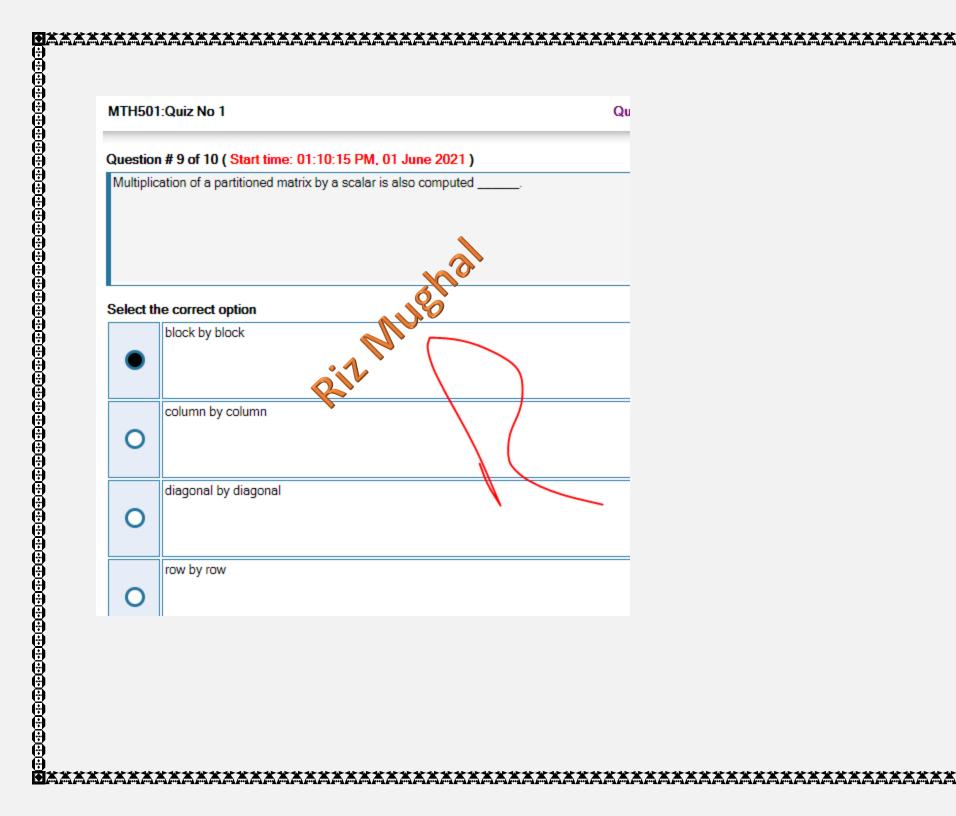
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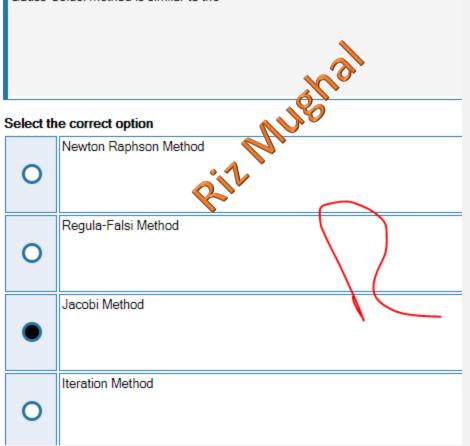




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Question # 10 of 10 (Start time: 01:10:25 PM, 01 June 2021)

Gauss-Seidel method is similar to the



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