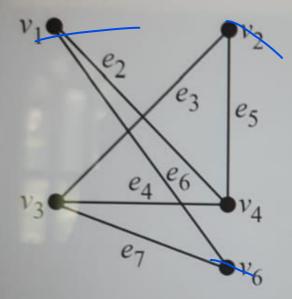




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Consider the following graph.



Determine whether the above graph has the followings.

Hamilton Path

Choose...

Yes

Yes

Euler Path

No

Selection of the path of t



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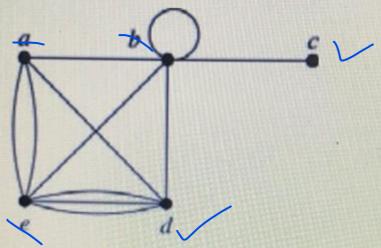
Question 6

Not yet answered

Marked out of 4.00

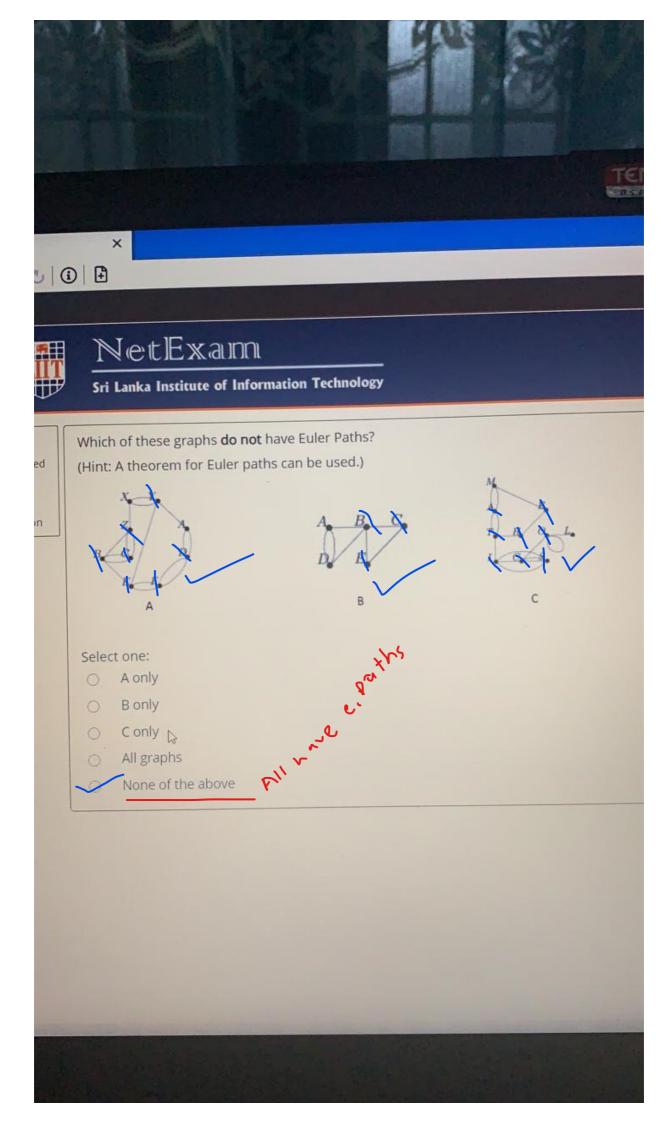
P Flag question

Consider the following graph.



Determine whether the above graph has the followings.

Hamilton Path	Yes	*	yes
Hamilton Circuit	No	*	No
Euler Path	Yes	*	yes
Euler Circuit	No		no





NetExauni

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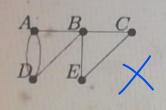
n 5

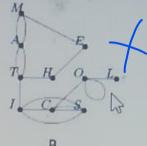
answered

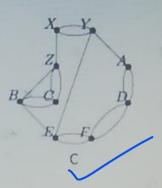
out of

question

Which of these graphs have Hamiltonian Circuits?







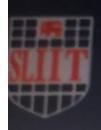
Select one:

- O . A only
- Bonly



Conly

- All graphs
- None of the above



red

NetExauni

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How many permutations of 3 different digits are there, chosen from the ten digits 0 to 9 inclusive?

- 0. 84
- 0 120
- 0 504
- 720
 - None of the above

$$p = n$$



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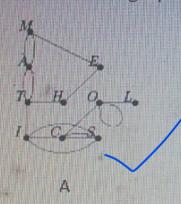
Question 4

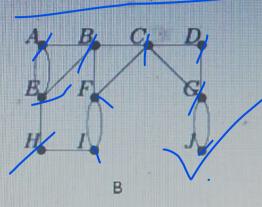
Not yet answered

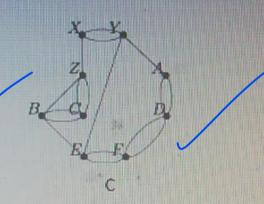
Marked out of 1.00

P Flag question

Which of these graphs have Hamiltonian Paths?



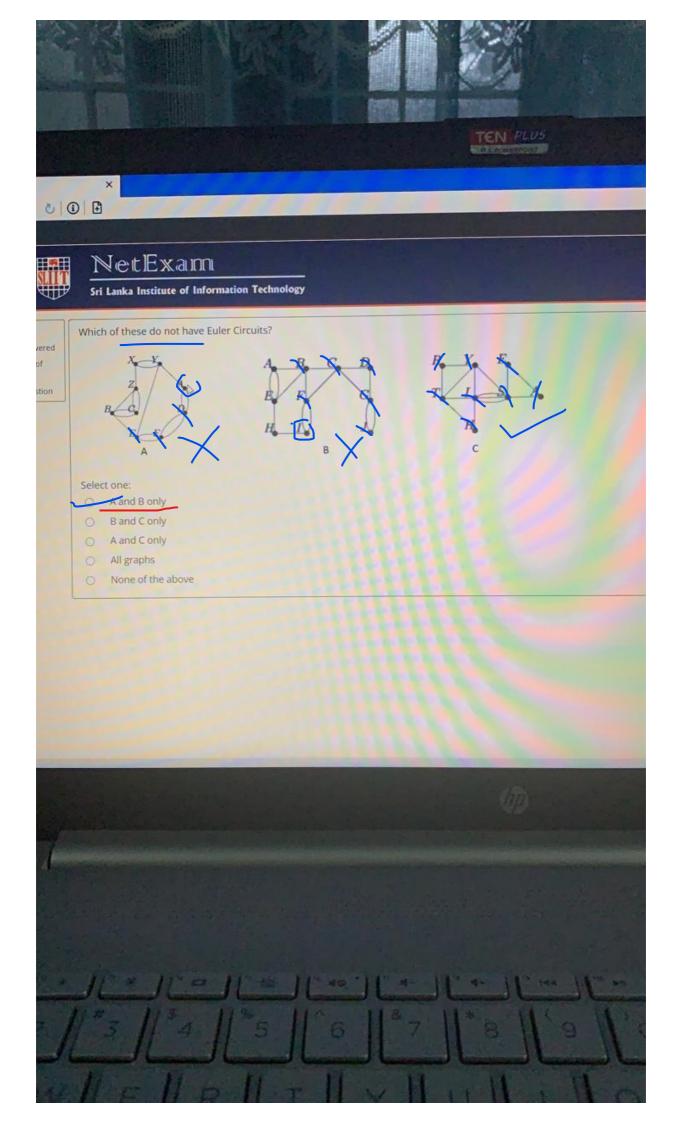




Select one:

- A only
- A and B only
- O B and C only
- All graphs
- None of the above

B





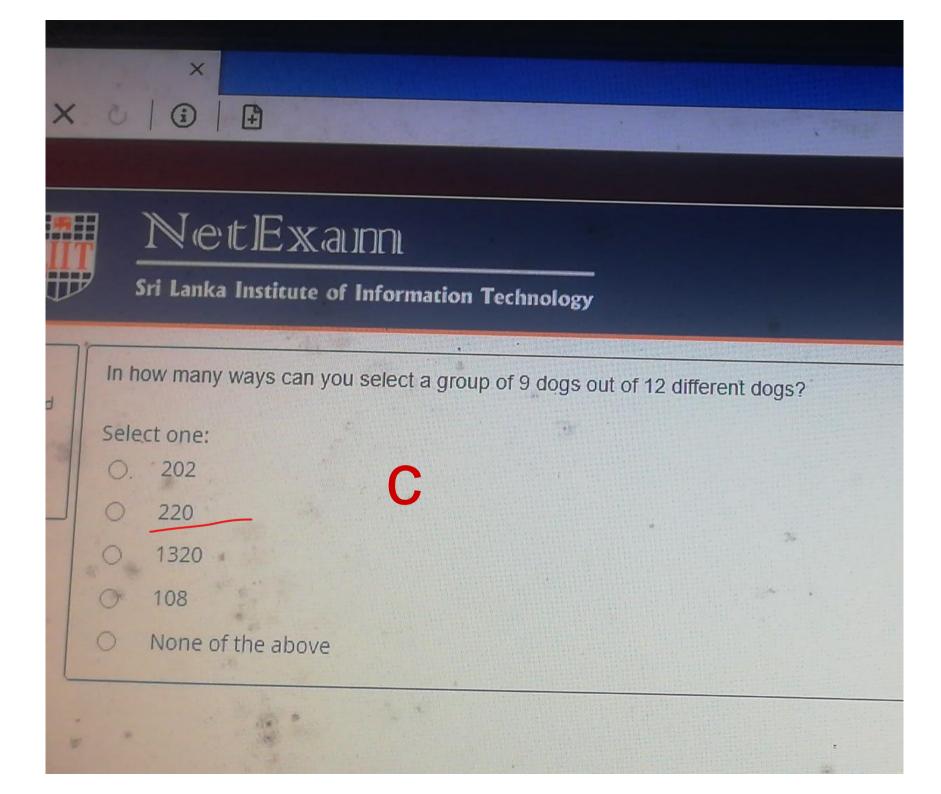
NetExam

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In how many ways can you select a group of 9 dogs out of 12 different dogs?

B

- 202
- 0/ 220
- 0 1320
 - 108
 - None of the above



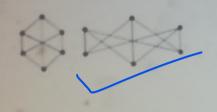


NetExam

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out of

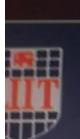
Which of the following paris are non isomorphic?







- A and B only
 - B and C only
 - "A and C only
 - All are non isomorphic
 - None of the above



ed

NetExauna

Sri Lanka Institute of Information Technology

The sum of the first 16 terms of an Arithmetic Progressions whose first term and third term are 5 and 1

- 0. 600
- 0 640
- 0 680
- 690
- O None of the above

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swered st of

estion

Given item A, which of the following would be the value of item B?

Item A:
$$\sum_{n=1}^{5} a_n = 30$$

Item B: $\sum_{n=1}^{5} 3a_n - 2$

Item B:
$$\sum_{n=1}^{3} 3a_n - 2$$

- 90
- 78
- 28
- None of the above



NetExam

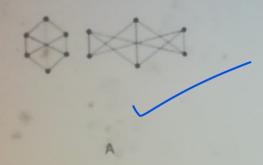
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question

Which of the following paris are non isomorphic?



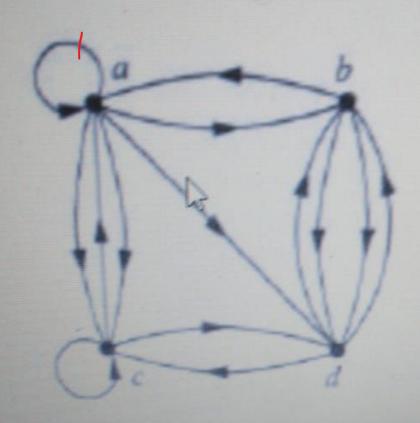
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AF/

- A and B only
 - O B and C only
 - · A and Conly
 - All are non isomorphic
 - None of the above



Consider the following Directed G

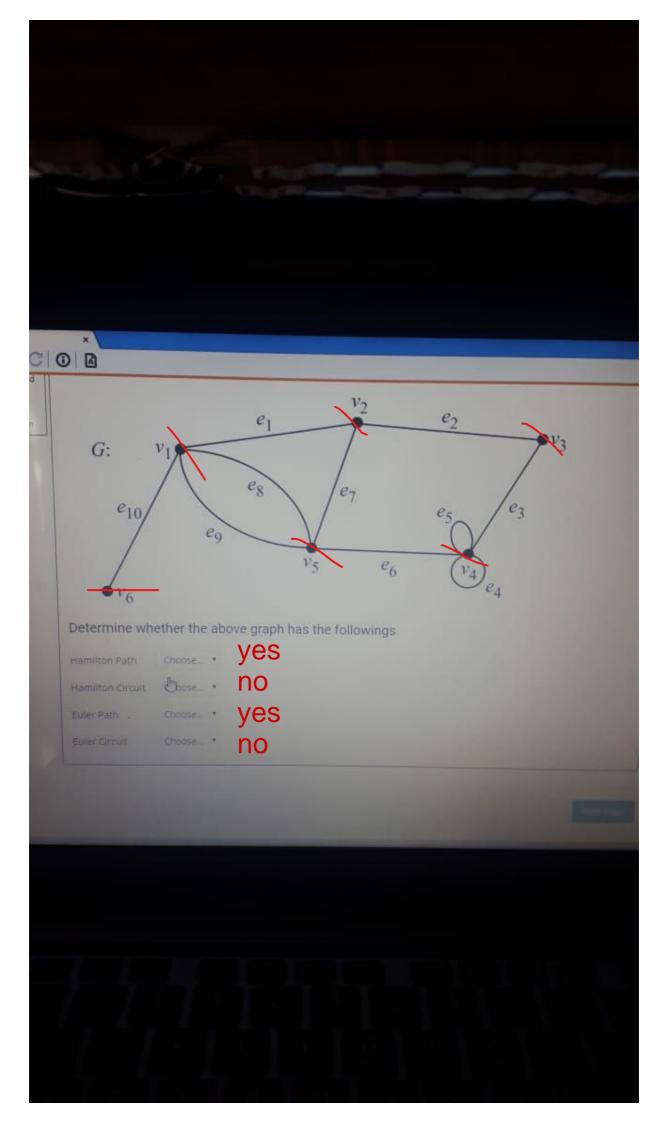


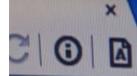
Number of Edges = :

Total Indegree = :

Total Outdegree = :

Sri Lanka Institute of Information Technology Consider the following graph. Question 6 **■** Quiz navi Not yet answered Marked out of e_2 4.00 e1 F Flag question G: e8 eg e6 Time left 1:05: Determine whether the above graph has the followings. Choose... · yes Hamilton Path Choose... • NO Hamilton Circuit REDMI NOTE 8 PRO yes choose... AI QUAD CAMERAJIER Path





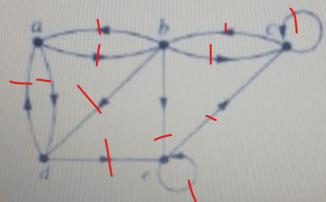


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Consider the following Directed Graph.



Number of Edges = :

Total Indegree = (

Total Outdegree = :

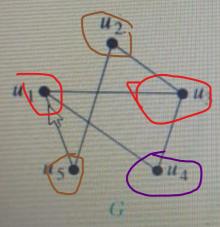




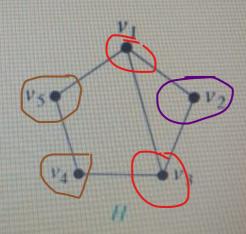


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What is the correct statement about the following 2



22233



22233

Two graphs are isomorphic

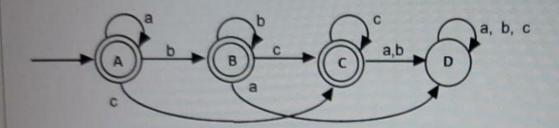
Two graphs are not isomorphic

Question 1

Not yet answered Marked out of

P Reg question

Consider the following finite state Machine A.



What is the initial State?

To what state does A go if abcacbac input to A in sequence starting from the initial state?

Find N(C, a)

Find N(D, b)

Choose... *

Choose... *

Choose... *

Choose... *

■ Quiz navigation

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Finish attempt _

Time left 1:59:30

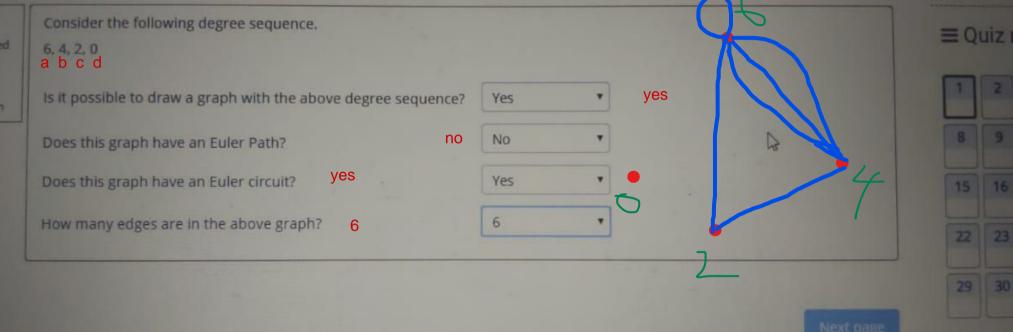
Next page

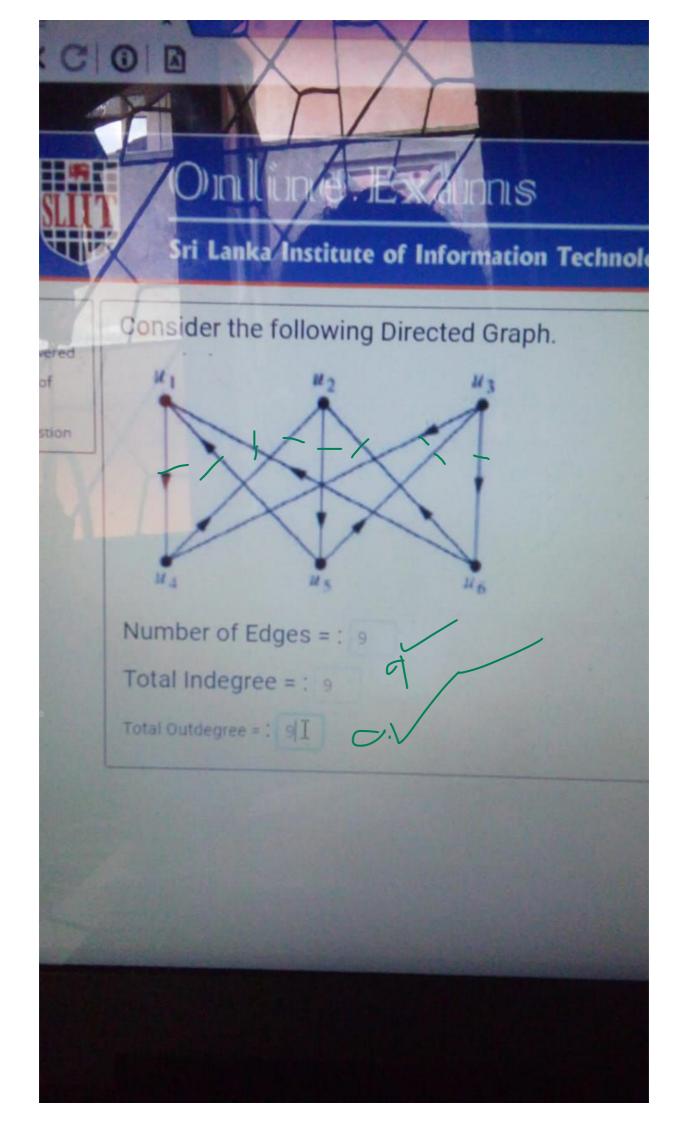


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estion 1 it yet answered arked out of 0

Flag question









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Consider the following degree sequence.

7. 6. 5. 4. 4. 2. 2

Is it possible to draw a graph with the above degree sequence?

No yes

Does this graph have an Euler Path?

Does this graph have an Euler circuit?

No Choose...

How many edges are in the above graph?

15

Choose...

Consider the following system of linear equations.

$$2x - 4y = -10$$

$$3x - 5y = -11$$

D

Represent the above equations in $A\underline{x} = \underline{b}$ form.

Find |A|.

Find adj A

Let
$$adj A = \begin{bmatrix} a & b \\ c & d \end{bmatrix}$$

Find x and y.

Answer for |A|

Choose... *

Answer for a

Choose... *

Answer for b

Choose... ▼

Answer for c

Choose... *

Answer for d

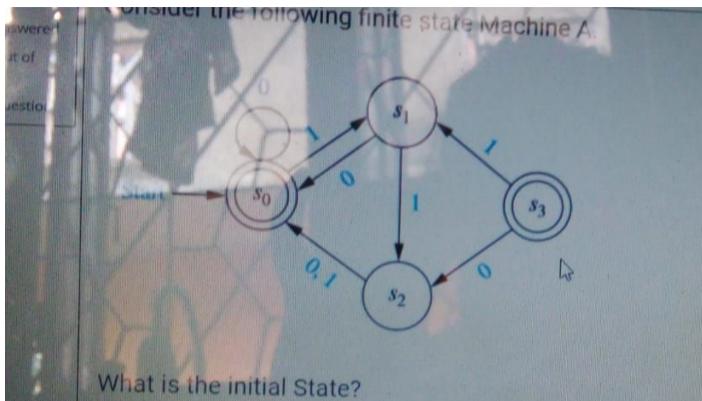
Choose... *

Answer for x

Choose... *

Answer for y

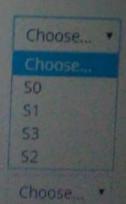
Choose... *



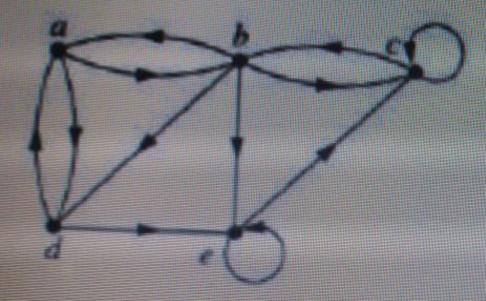
To what state does A go if 100101001 input to A in sequence starting from the initial state?

Find N(s1, 0)

Find N(S2, 0)



Consider the following Directed Graph.



Number of Edges = : 12

Total Indegree = : / 21

Total Outdegree = : |)