

Creation is done by encrypting the hash value of the message with the public key of the sender. Verification is done

Creation is done by encrypting the hash value of the message with the public key of the receiver. Verification is done

message by decrypting the digital signature with the corresponding private key.

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Online Exams

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A network of a IT-based company consists of 250 workstations used by users and each user makes an average of \$20 an hour our previously, none of the workstations involved in the network had anti-virus software installed. This was because there was no continuously, none of the acceptable use policy restricts users from using any external devices, so the risk of viruses was deemed minithe new implementation provides a broadband connection to the Internet, which employees can now use to send and receive employees. One of the managers read in a trade magazine that other software companies have reported a 50% chance of winfecting their networks annually after installing this method of Internet connectivity, and that it may take up to 3 hours to restore applications that is been damaged or destroyed.

What is the annual loss that can be expected due to virus infections? (Type the numerical value only)

Answer:

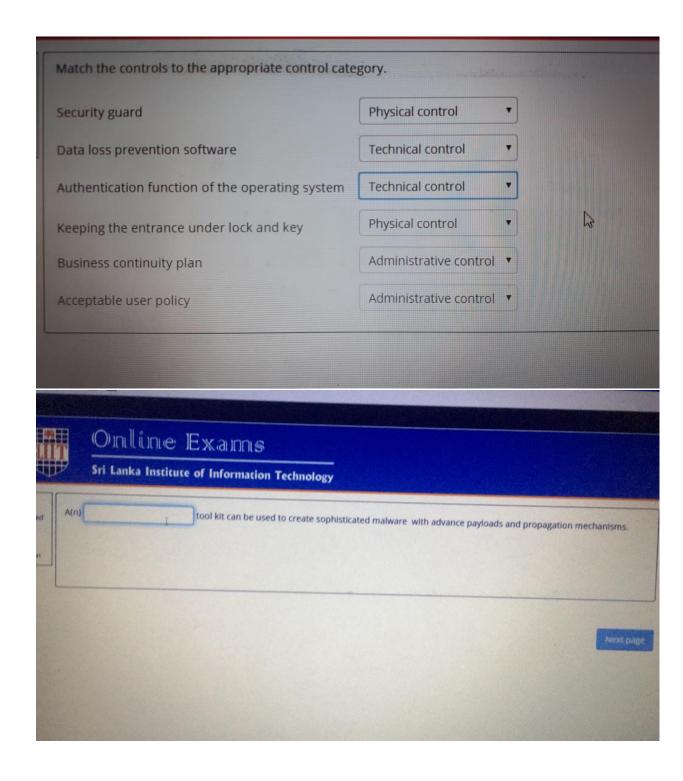


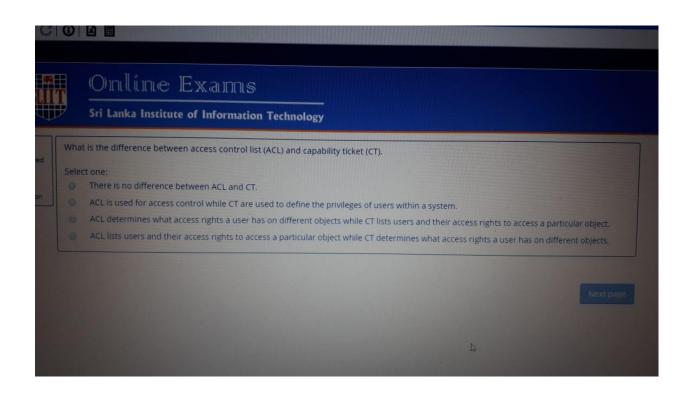
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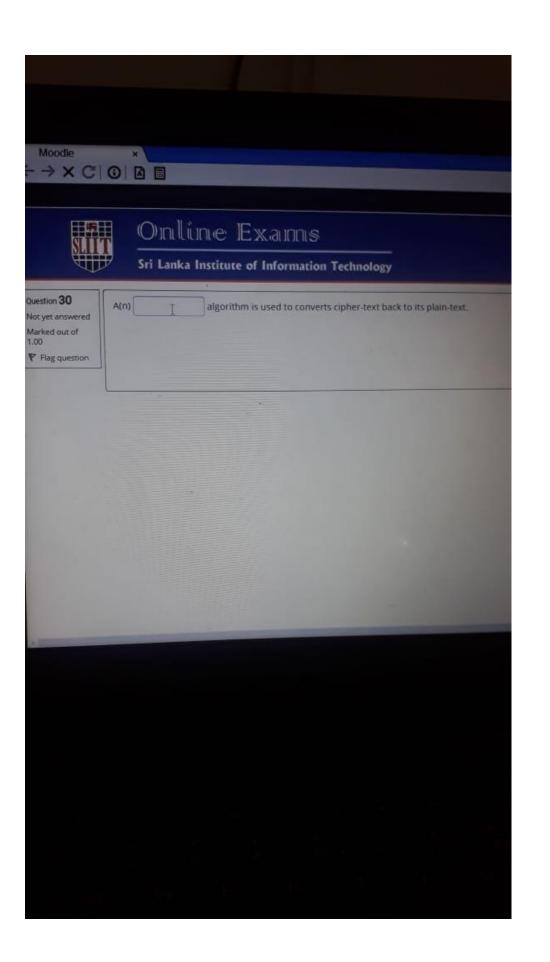
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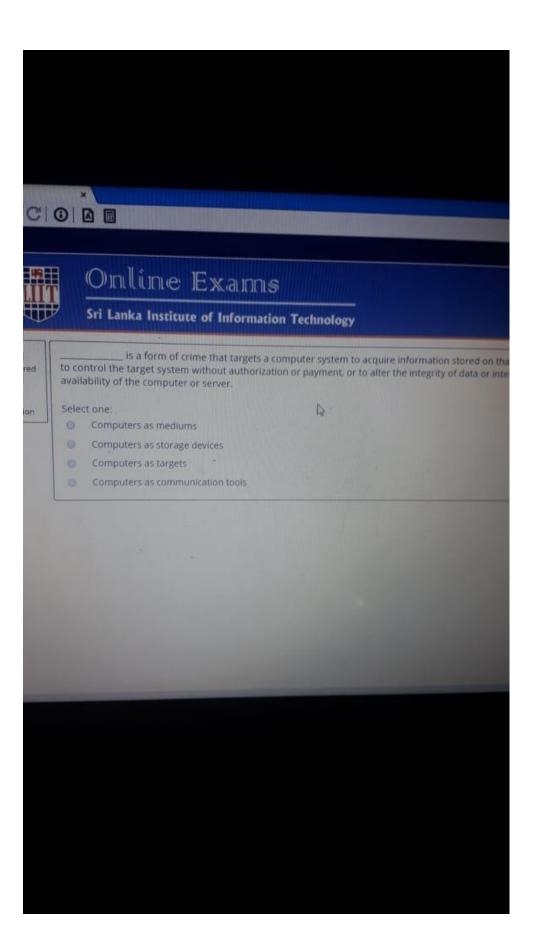
Two users Alice and Bob use Deffie-Hellman key exchange with a common prime number p = 23 and generator g = 5 (which root module 23). Let 4 and 3 be the private keys of Alice and Bob respectively. What is the common shared secrete key? (Writnumerical value)

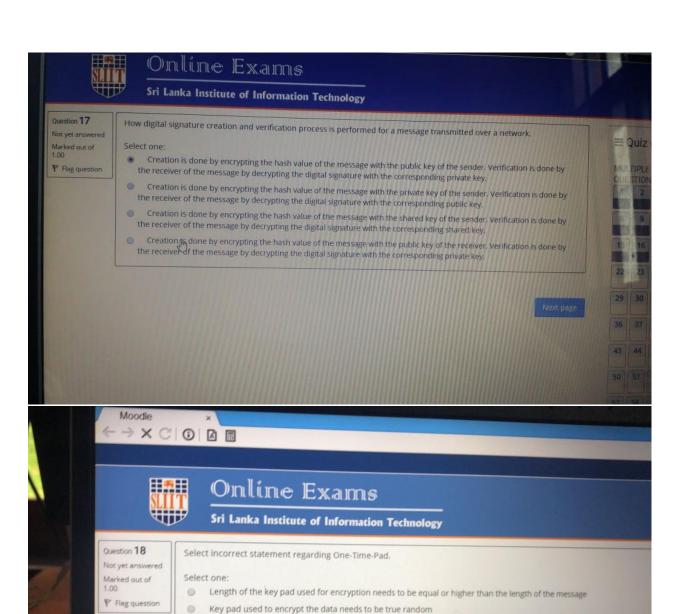
Answer:



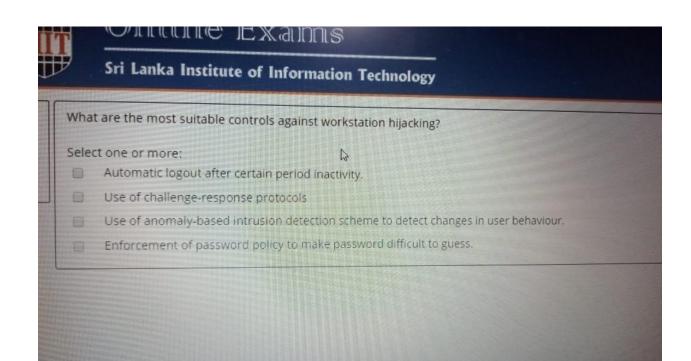


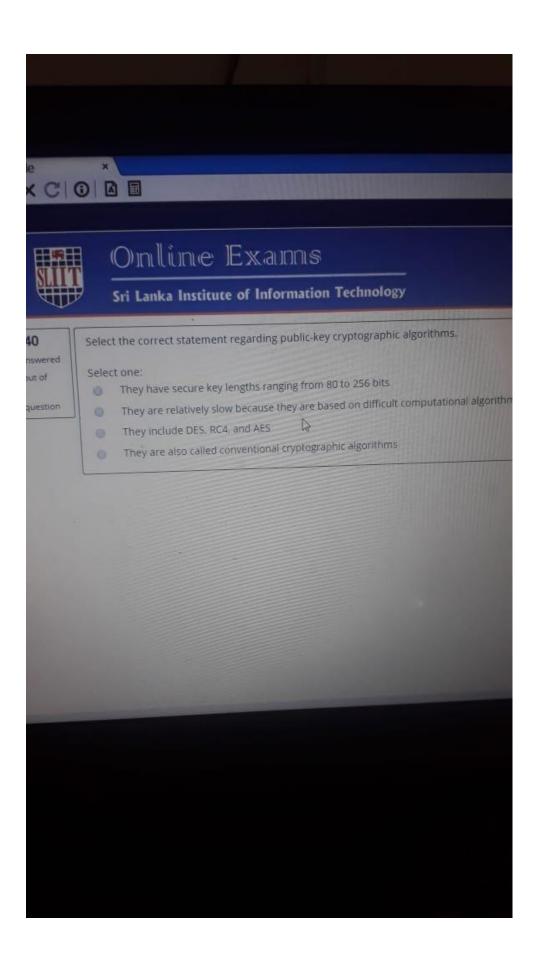


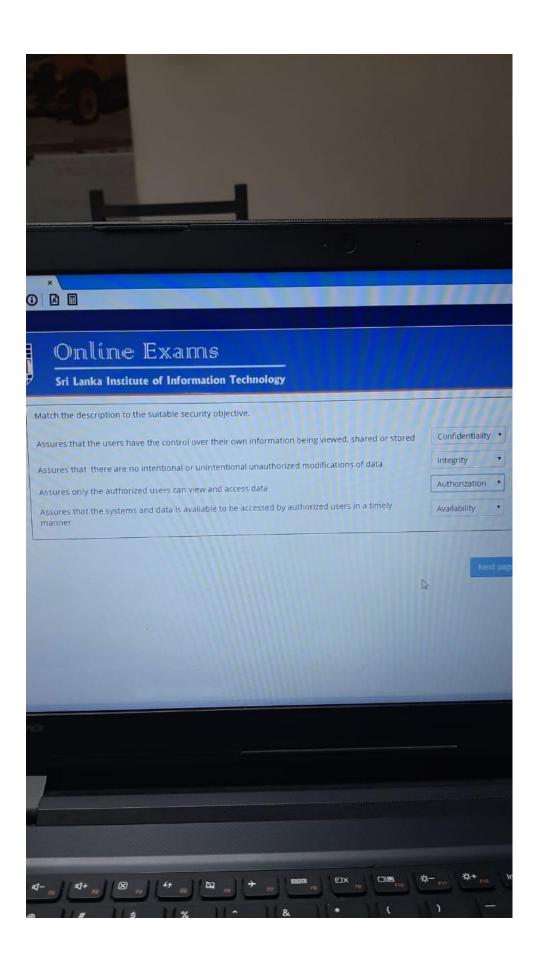




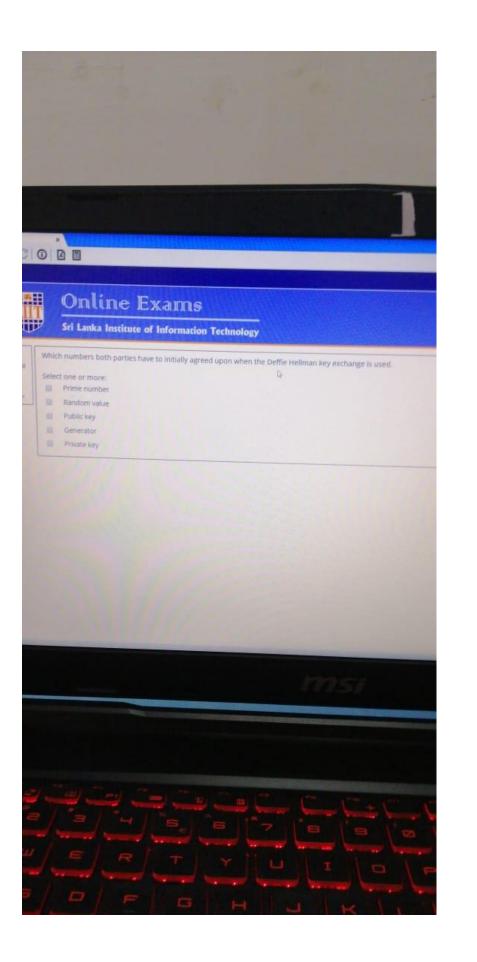
Key pad can only be used once Vulnerable to cryptanalytic attacks

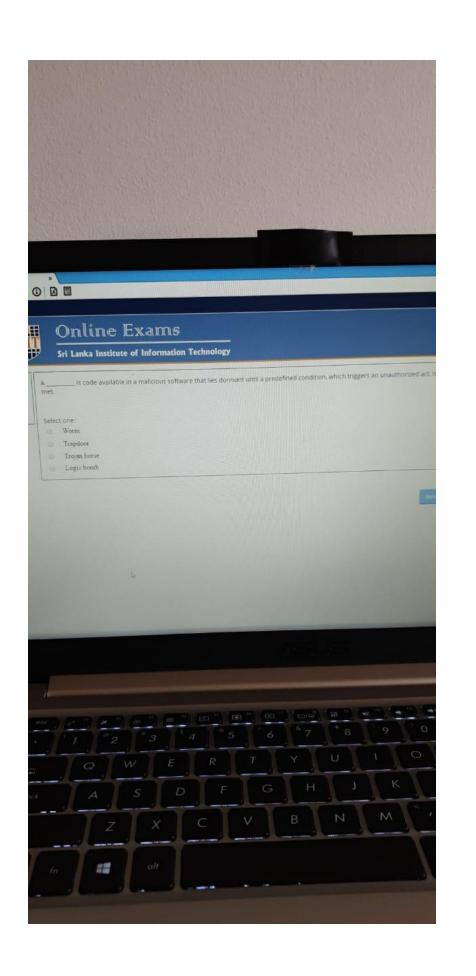


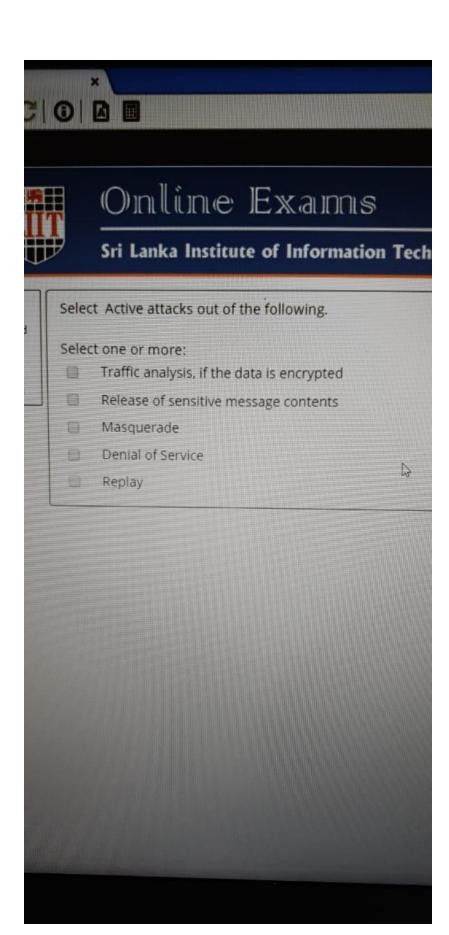


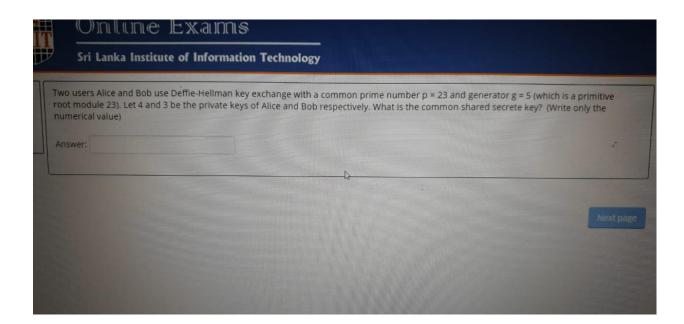


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	protocols are used to counter threats to remote user authent	icati	on s	syst
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	© Challenge-response			
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	Denial-of-service			
	File transfer			

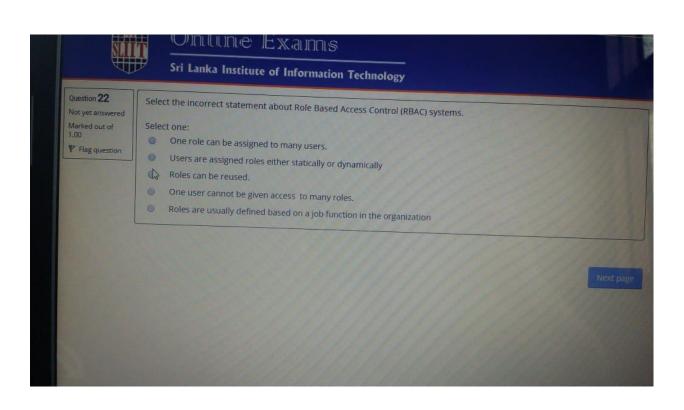


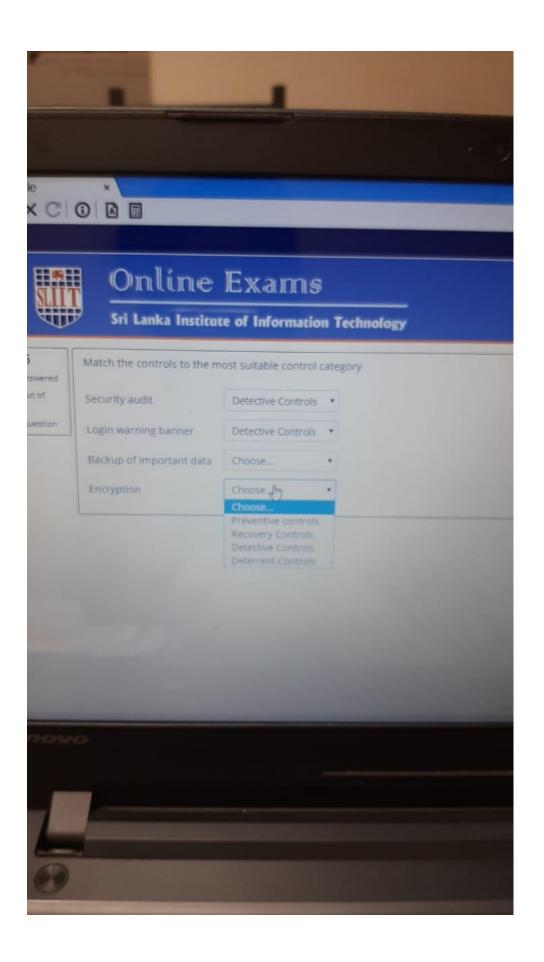


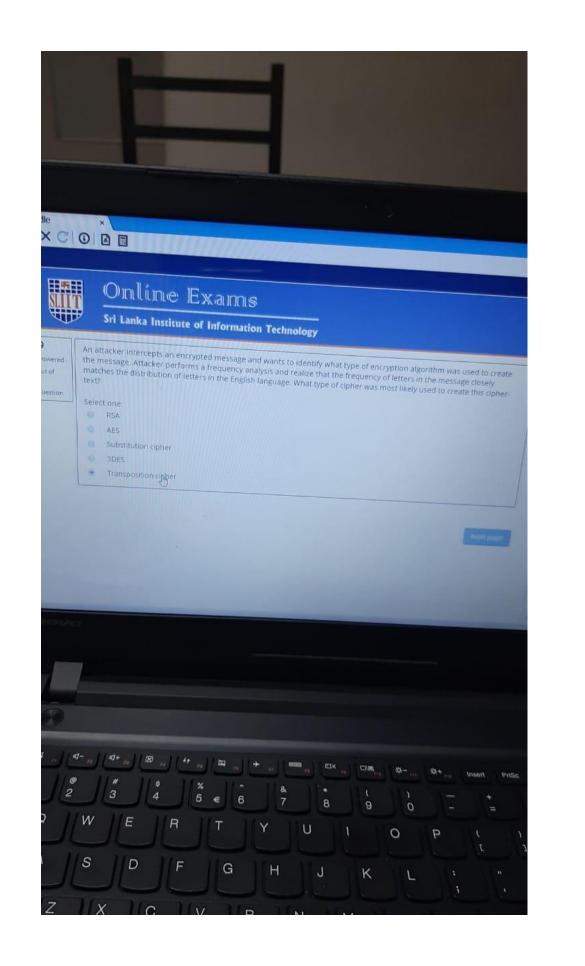


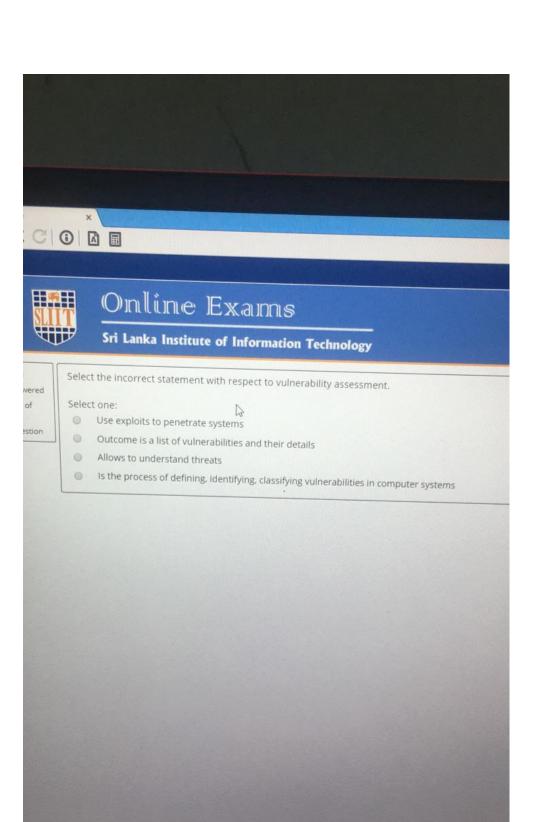


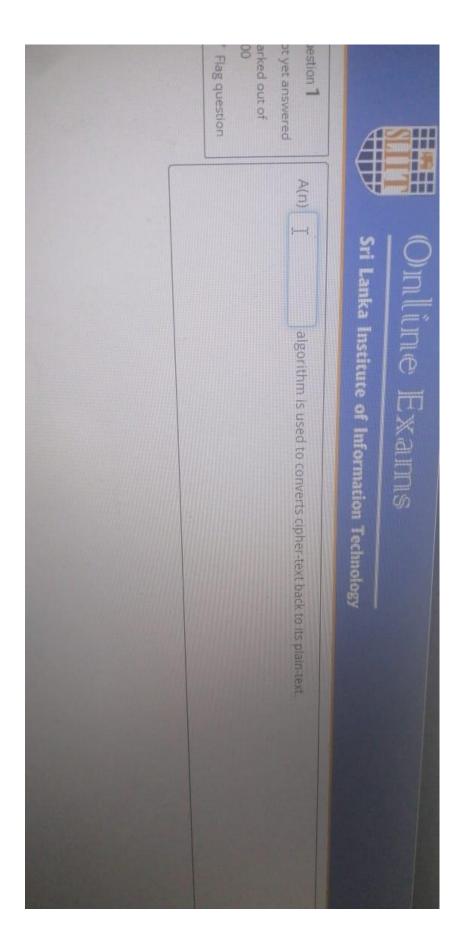
Online Exams Sri Lanka Institute of Information Technology A network of a IT-based company consists of 250 workstations used by users and each user makes an average of \$20 an hour out of it. Previously, none of the workstations involved in the network had anti-virus software installed. This was because there was no connection to the Internet and the acceptable use policy restricts users from using any external devices, so the risk of viruses was deemed minimal. One of the new implementation provides a broadband connection to the internet, which employees can now use to send and receive email, and surf the internet. One of the managers read in a trade magazine that other software companies have reported a 50% chance of viruses infecting their networks annually after installing this method of Internet connectivity, and that it may take up to 3 hours to restore data and applications that is been damaged or destroyed. What is the annual loss that can be expected due to virus infections? (Type the numerical value only) Answer: Next page

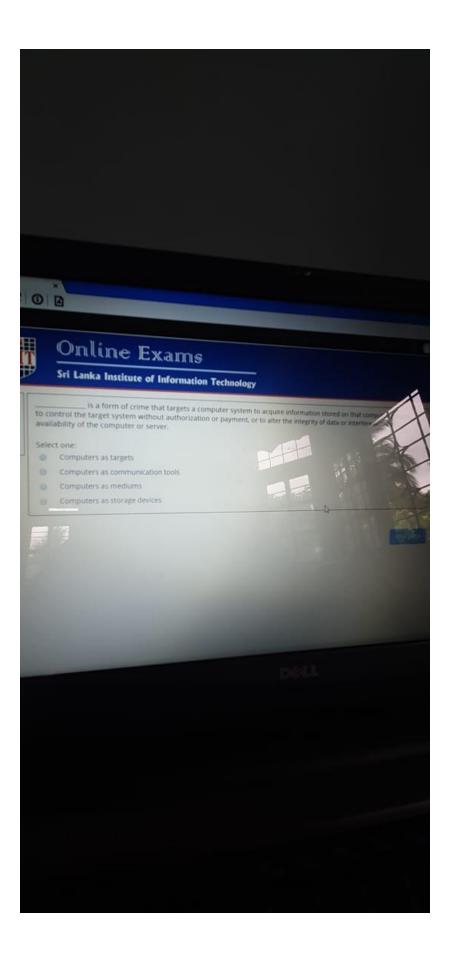














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stion 5
yet answered
ked out of

lect the relevant block cipher mode matching to the description given

More secure.

Produce the same cipher text blocks for identical plain text blocks.

Use to encrypt short amount of data.

Use to encrypt large amount of data with patterns.

Both parallel encryption and decryption of blocks are possible.

Choose- *

Choose...

Technology is a second of the	Select the relevant block cipher mode matching to the description given. More secure.	Produce the same cipher text blocks for identical plain text blocks. Use to encrypt short amount of data. Use to encrypt large amount of data with patterns. Both parallel encryption and decryption of blocks are possible. ECB ECB	
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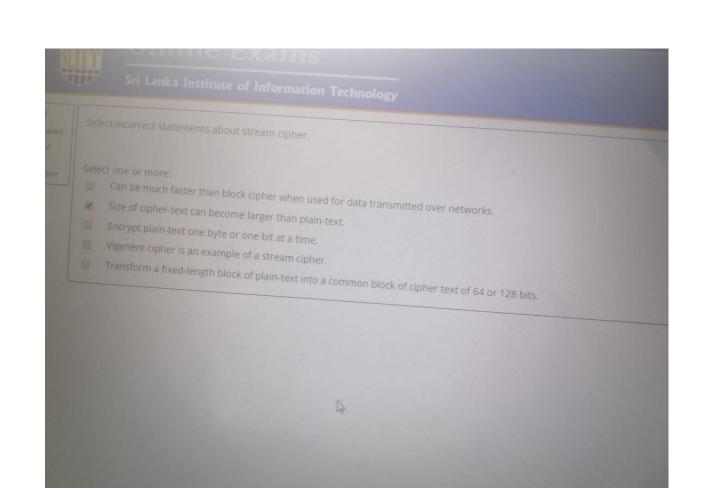


Match the description to the relevant access control requirements

Dividing the steps in a system function among different individuals: so as to keep a single individual from subverting the process.

Controls the functionalities of Administrators dealing with authorization database.

Choose...
Open policies
Reliable inputs
Closed policies
Fine-grained specifications
Administrative policies
Separation of duty
Choose...







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lag question

Select Active attacks out of the following.

Select one or more:

- Masquerade
- Replay
- Release of sensitive message contents
- Traffic analysis, if the data is encrypted
- Denial of Service



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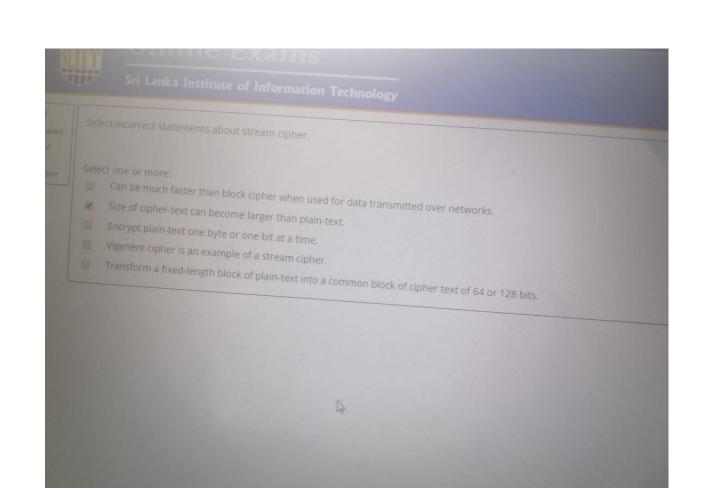
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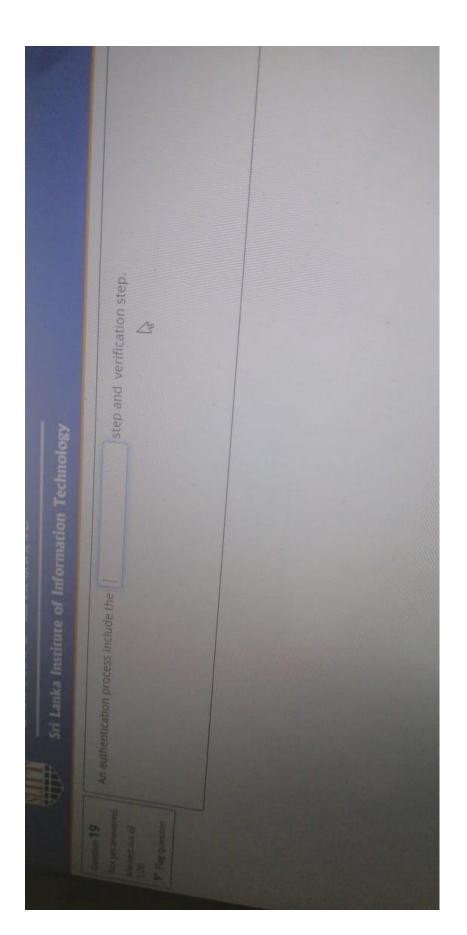
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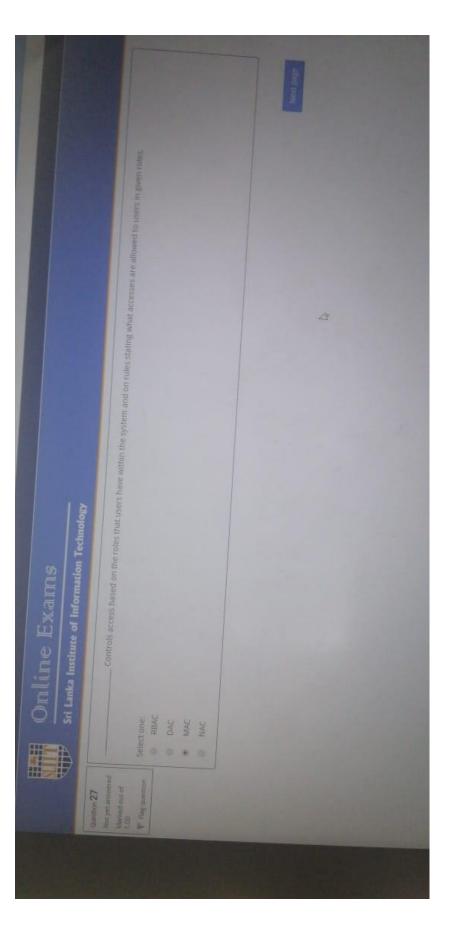
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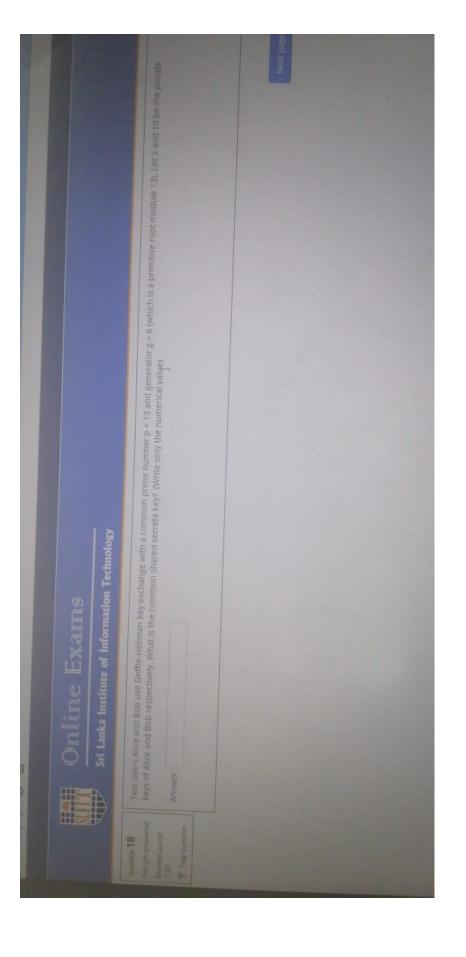
Select one or more:

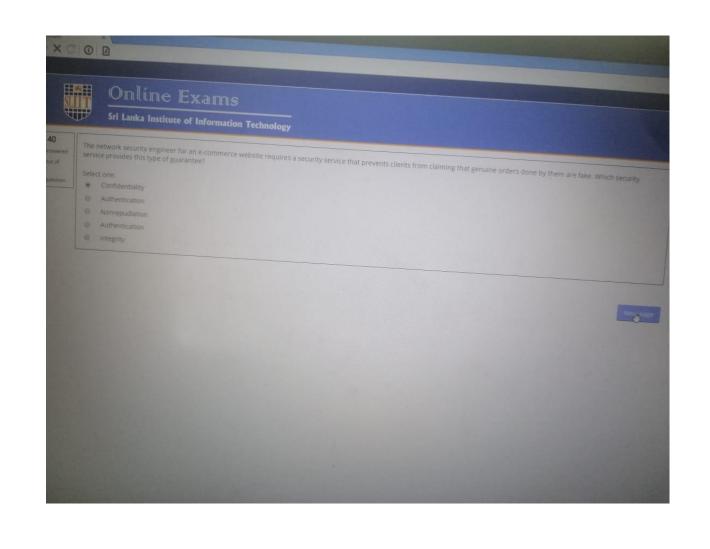
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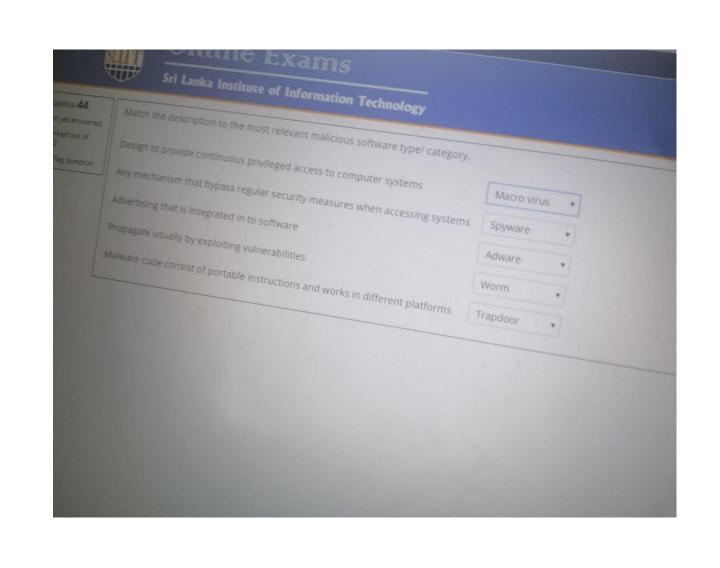


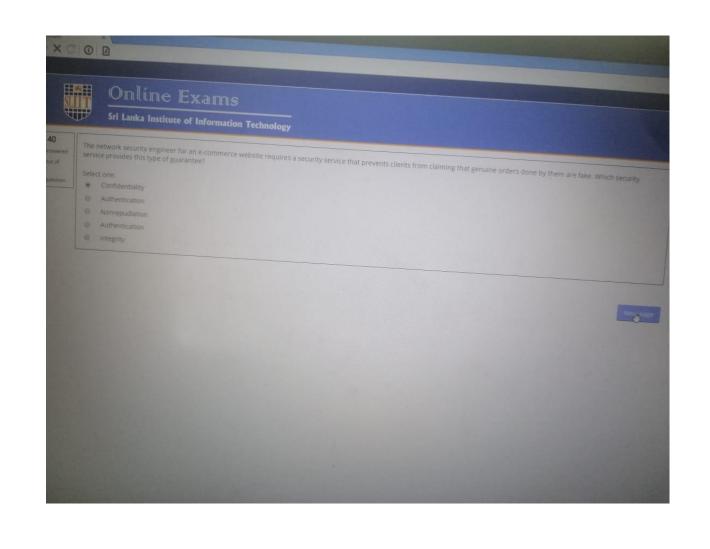












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