<u>Dashboard</u> / My courses / <u>SCS1316</u> / <u>General</u> / <u>Quiz-1</u>		
State Completed on Time taken	Friday, 19 March 2021, 4:02 PM Finished Friday, 19 March 2021, 4:45 PM 42 mins 52 secs 21.00 out of 30.00 (70%)	
Question 1 Correct Mark 1.00 out of 1.00		
Vigenere cipher is a a. Transposition b. Polyalphabeti	cipher	~
c. Block cipher d. Monoalphabo	etic cipher	
Your answer is correct The correct answer Polyalphabetic ciph	is:	
Question 2 Correct Mark 1.00 out of 1.00		
When the attacker of a. Traffic Analysi b. Nonrepudiati c. Release of me d. Replay Attack	essage contents	~
Your answer is correct The correct answer Replay Attack		

Question 3	
Incorrect Mark 0.00 out of 1.00	
Calculate the number of letters en/decrypted at once using Hill cipher with key size "nxn"	
○ a. n	
b. 2	×
○ c. nxn	
○ d. 2n	
Your answer is incorrect.	
The correct answer is: n	
Question 4	
Incorrect	
Mark 0.00 out of 1.00	
Find 25 ⁻¹ mod26	
○ a. 26	
O b. 1	
	×
○ d1	
Your answer is incorrect.	
The correct answer is: -1	
Question 5	
Correct Mark 1.00 out of 1.00	
Walk 1.00 dut 01 1.00	
Apply rail fence cipher and decrypt the ciphertext "SLTSEFET"	
a. test self	
b. self test	~
○ c. efet slts	
o d. slts efet	
Your answer is correct.	
The correct answer is: self test	

Question 6	
Correct Mark 1.00 out of 1.00	
Mark 1.00 out of 1.00	
Identify the block cipher mode of operation used for high speed encryptions	
○ a. CBC	
	~
○ c. ECB	
○ d. CFB	
○ e. OFB	
Your answer is correct.	
The correct answer is:	
CTR	
Question 7	
Correct	
Mark 1.00 out of 1.00	
Message confidentiality is lost due to	
a. Modification	
a. Modificationb. Interception	~
b. Interception	~
	~
b. Interception	~
b. Interception	~
 b. Interception c. Fabrication Your answer is correct. The correct answer is:	~
b. Interceptionc. Fabrication Your answer is correct.	*
 b. Interception c. Fabrication Your answer is correct. The correct answer is: Interception 	*
 b. Interception c. Fabrication Your answer is correct. The correct answer is: Interception Question 8	*
 b. Interception c. Fabrication Your answer is correct. The correct answer is: Interception Question 8 Incorrect	*
 b. Interception c. Fabrication Your answer is correct. The correct answer is: Interception Question 8	*
 b. Interception c. Fabrication Your answer is correct. The correct answer is: Interception Question 8 Incorrect Mark 0.00 out of 1.00	*
 b. Interception c. Fabrication Your answer is correct. The correct answer is: Interception Question 8 Incorrect Mark 0.00 out of 1.00 Compute the key using Brute force approach for the ciphertext "ETARVQNQIA"	*
 b. Interception c. Fabrication Your answer is correct. The correct answer is: Interception Question 8 Incorrect Mark 0.00 out of 1.00	•
 b. Interception c. Fabrication Your answer is correct. The correct answer is: Interception Question 8 Incorrect Mark 0.00 out of 1.00 Compute the key using Brute force approach for the ciphertext "ETARVQNQIA"	•
 b. Interception c. Fabrication Your answer is correct. The correct answer is: Interception Question 8 Incorrect Mark 0.00 out of 1.00 Compute the key using Brute force approach for the ciphertext "ETARVQNQIA" a. 1 	×
 b. Interception c. Fabrication Your answer is correct. The correct answer is: Interception Question 8 Incorrect Mark 0.00 out of 1.00 Compute the key using Brute force approach for the ciphertext "ETARVQNQIA" a. 1 b. 2 c. 4 	×
 b. Interception c. Fabrication Your answer is correct. The correct answer is: Interception Question 8 Incorrect Mark 0.00 out of 1.00 Compute the key using Brute force approach for the ciphertext "ETARVQNQIA" a. 1 b. 2 	×
 b. Interception c. Fabrication Your answer is correct. The correct answer is: Interception Question 8 Incorrect Mark 0.00 out of 1.00 Compute the key using Brute force approach for the ciphertext "ETARVQNQIA" a. 1 b. 2 c. 4 d. 3 	*
 b. Interception c. Fabrication Your answer is correct. The correct answer is: Interception Question 8 Incorrect Mark 0.00 out of 1.00 Compute the key using Brute force approach for the ciphertext "ETARVQNQIA" a. 1 b. 2 c. 4 	×

Question 9	
Correct Mark 1.00 out of 1.00	
Mark 1.00 out of 1.00	
2C mod 25 in anythin	
36 mod 25 is equal to	
	~
○ b. 21	
○ c. 12	
○ d. 18	
Your answer is correct. The correct answer is:	
11	
Question 10	
Correct	
Mark 1.00 out of 1.00	
The process of retrieving the original message at the receiver is	
○ a. cryptanalysis	
b. decryption	~
© 5. decryption	•
c. steganography	·
	·
○ c. steganography	·
c. steganographyd. enciphering	
c. steganographyd. enciphering Your answer is correct.	
c. steganographyd. enciphering	
 c. steganography d. enciphering Your answer is correct. The correct answer is: decryption 	
c. steganographyd. enciphering Your answer is correct.	•
 c. steganography d. enciphering Your answer is correct. The correct answer is: decryption Question 11	
 c. steganography d. enciphering Your answer is correct. The correct answer is: decryption Question 11 Correct	
 c. steganography d. enciphering Your answer is correct. The correct answer is: decryption Question 11 Correct	
 c. steganography d. enciphering Your answer is correct. The correct answer is: decryption Question 11 Correct Mark 1.00 out of 1.00 	•
 c. steganography d. enciphering Your answer is correct. The correct answer is: decryption Question 11 Correct Mark 1.00 out of 1.00 The Euler's Totient function for the number 11 is 	✓
 c. steganography d. enciphering Your answer is correct. The correct answer is: decryption Question 11 Correct Mark 1.00 out of 1.00 The Euler's Totient function for the number 11 is a. 10 b. 9 	•
 c. steganography d. enciphering Your answer is correct. The correct answer is: decryption Question 11 Correct Mark 1.00 out of 1.00 The Euler's Totient function for the number 11 is a. 10 b. 9 c. 11 	•
 c. steganography d. enciphering Your answer is correct. The correct answer is: decryption Question 11 Correct Mark 1.00 out of 1.00 The Euler's Totient function for the number 11 is a. 10 b. 9 	*
 c. steganography d. enciphering Your answer is correct. The correct answer is: decryption Question 11 Correct Mark 1.00 out of 1.00 The Euler's Totient function for the number 11 is a. 10 b. 9 c. 11 	· •
 c. steganography d. enciphering Your answer is correct. The correct answer is: decryption Question 11 Correct Mark 1.00 out of 1.00 The Euler's Totient function for the number 11 is a. 10 b. 9 c. 11 	· •
c. steganography d. enciphering Your answer is correct. The correct answer is: decryption Question 11 Correct Mark 1.00 out of 1.00 The Euler's Totient function for the number 11 is a. 10 b. 9 c. 11 d. 8	•

Correct Mark 1.00 out of 1.00	
Block cipher follows cipher structure	
o a. Shannon	
○ b. Wheatstone	
© c. Feistel	~
○ d. Vernam	
Your answer is correct.	
The correct answer is: Feistel	
Question 13	
Correct	
Mark 1.00 out of 1.00	
The process of observing the pattern of messages transmitted between a sender and receiver is called	
 a. Release of message contents 	
b. Replay Attack	
O a Namenu disting	
c. Nonrepudiation	
c. Nonrepudiationd. Traffic Analysis	~
d. Traffic Analysis	*
d. Traffic AnalysisYour answer is correct.	~
d. Traffic Analysis	•
d. Traffic AnalysisYour answer is correct.The correct answer is:	•
 d. Traffic Analysis Your answer is correct. The correct answer is: Traffic Analysis Question 14	•
 d. Traffic Analysis Your answer is correct. The correct answer is: Traffic Analysis 	•
 d. Traffic Analysis Your answer is correct. The correct answer is: Traffic Analysis Question 14 Incorrect 	•
 d. Traffic Analysis Your answer is correct. The correct answer is: Traffic Analysis Question 14 Incorrect 	•
 d. Traffic Analysis Your answer is correct. The correct answer is: Traffic Analysis Question 14 Incorrect Mark 0.00 out of 1.00 	•
 d. Traffic Analysis Your answer is correct. The correct answer is: Traffic Analysis Question 14 Incorrect Mark 0.00 out of 1.00 Any action which compromises the security of information which is owned by an organization is 	×
 d. Traffic Analysis Your answer is correct. The correct answer is: Traffic Analysis Question 14 Incorrect Mark 0.00 out of 1.00 Any action which compromises the security of information which is owned by an organization is a. Vulnerability 	×
 d. Traffic Analysis Your answer is correct. The correct answer is: Traffic Analysis Question 14 Incorrect Mark 0.00 out of 1.00 Any action which compromises the security of information which is owned by an organization is a. Vulnerability b. Threat 	×
 d. Traffic Analysis Your answer is correct. The correct answer is: Traffic Analysis Question 14 Incorrect Mark 0.00 out of 1.00 Any action which compromises the security of information which is owned by an organization is a. Vulnerability b. Threat c. Attack 	*
 d. Traffic Analysis Your answer is correct. The correct answer is: Traffic Analysis Question 14 Incorrect Mark 0.00 out of 1.00 Any action which compromises the security of information which is owned by an organization is a. Vulnerability b. Threat c. Attack 	*

Question 15
Correct
Mark 1.00 out of 1.00
The process which is designed to prevent, detect, or recover from a security risk is known as
a. All of the given options
○ b. Security Attack
◎ c. Security Mechanism
Old Consider Continu
○ d. Security Service
Your answer is correct.
The correct answer is:
Security Mechanism
Question 16
Correct
Mark 1.00 out of 1.00
Analyze if GCD(a,b)=1
○ a. a > b
○ b. a=b
oc. a and b are prime numbers
d. a and b are relatively prime
• d. a and b are relatively prime
Your answer is correct.
The correct answer is:
a and b are relatively prime

Question 17
Correct
Mark 1.00 out of 1.00
Analyze the first three letters of cipher texts obtained from Vigenere cipher with keyword "KEY" and general Caesar cipher with key '10' for the same plain text.
 a. Only last letters of both cipher texts are same
○ b. Both cipher texts are different
c. Only first letters of both cipher texts are same
d. Both cipher texts are same
Your answer is correct.
The correct answer is: Only first letters of both cipher texts are same
Question 18
Correct
Mark 1.00 out of 1.00
An attempt to disallow authorized users from utilizing the resources is
○ a. Traffic Analysis
○ b. Message Replay
○ c. Masquerade
⊕ d. Denial of Service ✓
Your answer is correct.
The correct answer is: Denial of Service

Correct Mark 1.00 out of 1.00	
Identify the permutation cipher	
○ a. Hill cipher	
○ b. Play Fair cipher	
○ c. Vernam cipher	
d. Rail fence cipher	~
Your answer is correct.	
The correct answer is: Rail fence cipher	
ran refree cipiler	
Question 20	
Incorrect	
Mark 0.00 out of 1.00	
Encryption key of Simple Columnar transposition cipher denotes the	
a. number of columns	×
	•
b. order of columns	
○ c. order of rows	
○ d. number of rows	
Your answer is incorrect.	
Your answer is incorrect. The correct answer is:	
Your answer is incorrect. The correct answer is: order of columns	
Your answer is incorrect. The correct answer is: order of columns	
Your answer is incorrect. The correct answer is: order of columns Question 21 Correct	
Your answer is incorrect. The correct answer is: order of columns Question 21 Correct	
Your answer is incorrect. The correct answer is: order of columns Question 21 Correct Mark 1.00 out of 1.00	
Your answer is incorrect. The correct answer is: order of columns Question 21 Correct Mark 1.00 out of 1.00 The message contents are altered in	•
Your answer is incorrect. The correct answer is: order of columns Question 21 Correct Mark 1.00 out of 1.00 The message contents are altered in a. passive attacks	*
Your answer is incorrect. The correct answer is: order of columns Question 21 Correct Mark 1.00 out of 1.00 The message contents are altered in a. passive attacks b. active attacks	*
Your answer is incorrect. The correct answer is: order of columns Question 21 Correct Mark 1.00 out of 1.00 The message contents are altered in a. passive attacks b. active attacks c. vulnerability	•
Your answer is incorrect. The correct answer is: order of columns Question 21 Correct Mark 1.00 out of 1.00 The message contents are altered in a. passive attacks b. active attacks c. vulnerability	•

Question 22
Incorrect Mark 0.00 out of 1.00
Determine the cipher text of the plain text "swap" using Play Fair cipher with the key "PASSWORD"
a. PASS
○ c. WOSA
○ d. ASPO
Your answer is incorrect.
The correct answer is: WOSA
WOJA
Question 23
Correct
Mark 1.00 out of 1.00
CIA triad refers to
 a. Confidentiality Integrity Availability
○ b. Central Intelligence Agency
c. Confidentiality Integrity Accountability
Your answer is correct.
The correct answer is:
Confidentiality Integrity Availability
Question 24
Incorrect
Mark 0.00 out of 1.00
Identify the block cipher mode of operation in which the error propagates for several blocks after the error occurs in one block
a. CTR
○ b. CFB
○ c. ECB
Your answer is incorrect.
The correct answer is: CFB

Question 25	
Correct Mark 1.00 out of 1.00	
A kind of security in which a user or a computer system is verified so that it can be trusted is	
○ a. Availability	
○ b. Confidentiality	
c. Authentication	•
○ d. Integrity	
Your answer is correct.	
The correct answer is:	
Authentication	
Question 26	
Correct	
Mark 1.00 out of 1.00	
Cipher refers to an algorithm that	
a. performs decryption	
○ b. performs encryption	
○ c. generates a secret code	
d. performs encryption or decryption	•
Your answer is correct.	
The correct answer is: performs encryption or decryption	
1	
Question 27	
Incorrect Mark 0.00 out of 1.00	
INVALK 0.00 OUL OF 1.00	
A type of security mechanism in which only the sender and the authorized receiver can see the contents of the transmitted message	
a. Encryption	3
b. Confidentiality	
○ c. Cryptography	
○ d. Cipher Text	
Your answer is incorrect.	
The correct answer is: Confidentiality	

Identify the mode in which the block cipher is used in encryption mode at both ends a. CRC	Question 28	
a a CBC b CTB c c ECB Your answer is incorrect. The correct answer is: CTB Question 29 Correct Mark 100 out-of 100 A data transmission system that can be trusted for a specified extent to enforce a security policy a a Secured Transmitter b trusted system c c, Server d. Secured Receiver Your answer is correct. The correct answer is: Trusted system Question 30 Correct Mark 100 out-of 100 Identify the highly secured classical cipher a a One Time Pad b. Caesar cipher c . Permutation Cipher d. Hill Cipher Your answer is correct. The correct answer is correct.	Incorrect Mark 0.00 out of 1.00	
a a CBC b CTB c c ECB Your answer is incorrect. The correct answer is: CTB Question 29 Correct Mark 100 out-of 100 A data transmission system that can be trusted for a specified extent to enforce a security policy a a Secured Transmitter b trusted system c c, Server d. Secured Receiver Your answer is correct. The correct answer is: Trusted system Question 30 Correct Mark 100 out-of 100 Identify the highly secured classical cipher a a One Time Pad b. Caesar cipher c . Permutation Cipher d. Hill Cipher Your answer is correct. The correct answer is correct.		
© c_ECB Vour answer is incorrect. The correct answer is: CFB Question 29 Correct Mark 100 out of 100 A data transmission system that can be trusted for a specified extent to enforce a security policy a. Secured Transmitter b. Inusted system c. Server d. Secured Receiver Vour answer is correct. The correct answer is: Trusted system Question 30 Correct Mark 100 out of 100 Identify the highly secured classical cipher a. One Time Pad b. Caesar cipher c. Permutation Cipher d. Hill Cipher Vour answer is correct. The correct answer is:	Identify the mode in which the block cipher is used in encryption mode at both ends	
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Your answer is incorrect. The correct answer is: CFB Question 29 Correct Mark 1.00 out of 100 A data transmission system that can be trusted for a specified extent to enforce a security policy a. Secured Transmitter b. Trusted system c. Server d. Secured Receiver Your answer is correct. The correct answer is: Trusted system Question 30 Correct Mark 1.00 out of 100 Identify the highly secured classical cipher a. One Time Pad b. Caesar cipher c. Permutation Cipher d. Hill Cipher Your answer is correct. The correct answer is:	○ b. CFB	
The correct answer is: CPB Question 29 Correct Correct Correct A data transmission system that can be trusted for a specified extent to enforce a security policy a Secured Transmitter b. Trusted system c. Server d. Secured Receiver Your answer is correct. The correct answer is: Trusted system Question 30 Correct Correct Mark 1.00 out of 1.00 Identify the highly secured classical cipher a. One Time Pad b. Caesar cipher c. Permutation Cipher d. Hill Cipher Your answer is correct. The correct answer is:	○ c. ECB	
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Question 29 Correct Mark 1.00 out of 1.00 A data transmission system that can be trusted for a specified extent to enforce a security policy a. Secured Transmitter b. Trusted system c. Server d. Secured Receiver Your answer is correct. The correct answer is: Trusted system Question 30 Correct Mark 1.00 out of 1.00 Identify the highly secured classical cipher a. One Time Pad b. Caesar cipher c. Permutation Cipher d. Hill Cipher Your answer is correct. The correct answer is:		
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© c. Server ○ d. Secured Receiver Your answer is correct. The correct answer is: Trusted system Question 30 Correct Mark 1.00 out of 1.00 Identify the highly secured classical cipher ◎ a. One Time Pad ○ b. Caesar cipher ○ c. Permutation Cipher ○ d. Hill Cipher Your answer is correct. The correct answer is:		
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Mark 1.00 out of 1.00 Identify the highly secured classical cipher		
 a. One Time Pad b. Caesar cipher c. Permutation Cipher d. Hill Cipher Your answer is correct. The correct answer is:		
 a. One Time Pad b. Caesar cipher c. Permutation Cipher d. Hill Cipher Your answer is correct. The correct answer is:		
 b. Caesar cipher c. Permutation Cipher d. Hill Cipher Your answer is correct. The correct answer is:	Identify the highly secured classical cipher	
 c. Permutation Cipher d. Hill Cipher Your answer is correct. The correct answer is:	a. One Time Pad	
d. Hill CipherYour answer is correct.The correct answer is:	○ b. Caesar cipher	
Your answer is correct. The correct answer is:	○ c. Permutation Cipher	
The correct answer is:	od. Hill Cipher	
The correct answer is:		
	Your answer is correct.	

◀ Assignment - 1

Jump to...

Quiz-2 ▶



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