

AF-113

April-2016

B.Com., Sem.-VI

CE-303(D) : Computer Application (Information Security)

Time : 3 Hours]

[Max. Marks : 35

1. (a) Information Security એટલે શું ? Informationની લાક્ષણિકતાઓ જણાવો. 3
અથવા
સમજાવો :
(1) Access
(2) Worms
(3) Password crack
- (b) ઈન્ફોર્મેશન સીક્યુરીટીના બધા ભાગો જણાવો. 2
અથવા
“Balancing of Information Security and Access” ઉપર નોંધ લખો.
- (c) Security ના બધા જ લેયર સવિસ્તારથી સમજાવો. 2
અથવા
“Information Security” ઈતિહાસ ઉપર નોંધ લખો.
2. (a) Threat એટલે શું ? જાણીતા Threatનું list કરો. 3
અથવા
એટેક એટલે શું ? સવિસ્તાર સમજાવો.
- (b) સમજાવો : 2
(1) Dictionary
(2) Spam
અથવા
Risk Control Strategies સમજાવો.
- (c) Business માં ઈન્ફોર્મેશન સીક્યુરીટીની જરૂરિયાત જણાવો. 2
અથવા
Risk Management સમજાવો.
3. (a) VPN પર નોંધ લખો. 3
અથવા
Firewalls એટલે શું ? તેના Processing mode જણાવો.

- (b) Access Control સમજાવો. 2
અથવા
સમજાવો :
(1) Circuit Gateway
(2) Hybrids Firewall
- (c) “Application Gateways” સમજાવો. 2
અથવા
“Firewall Categories by Structure” સમજાવો.
4. (a) Cryptography એટલે શું ? Cryptography ના tool જણાવો. 3
અથવા
Digital Signature અને Digital Certificate વચ્ચેનો તફાવત જણાવો.
- (b) Steganography એટલે શું ? સમજાવો. 2
અથવા
Public Key Infrastructure સમજાવો.
- (c) Cipher Method સમજાવો. 2
અથવા
Cryptography ના હેતુ જણાવો.
5. નીચે આપેલ પ્રશ્નોના તેની નીચે આપેલ વિકલ્પોમાંથી યોગ્ય વિકલ્પ પસંદ કરી જવાબ જણાવો : 7
- (1) CIOનું પુરું નામ _____.
(a) Chief Information Officer (b) Critical Information Organization
(c) Chief Investigation Officer (d) Crime Information Officer
- (2) થોડાક સમય માટે પૂરતો પાવર જાય તેને _____ કહે છે.
(a) Blackout (b) Fault
(c) Brownout (d) Spike
- (3) Application Level Firewall ને _____ કહે છે.
(a) Application gateway (b) Aroxy Server
(c) બંને (a) & (b) (d) આમાંથી કોઈ નહીં
- (4) ARPA નું પુરું નામ _____.
(a) Auto Research Project Agency (b) Advance Research Project Agency
(c) Advance Rate Prototype Agency (d) આમાંથી કોઈ નહીં
- (5) Asymmetric Encryption ને _____ પણ કહે છે.
(a) Public Key (b) Secret Key
(c) Symmetric (d) SSL
- (6) Malicious code ને _____ કહે છે.
(a) Malware (b) Malicious software
(c) બંને (a) & (b) (d) આમાંથી કોઈ નહીં
- (7) Encryption and Decryptionનો મહત્વનો ભાગ _____ છે.
(a) Key (b) Paper
(c) Electronic Media (d) આમાંથી કોઈ નહીં

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1. (a) What is Information Security ? List out characteristics of Information. 3
OR
Explain :
(1) Access
(2) Worms
(3) Password crack
- (b) Write down all the components of information security. 2
OR
Write a note of “Balancing of Information Security and Access”.
- (c) Explain all Security Layer in detail. 2
OR
Write a note on “History of Information Security”.
2. (a) What is Threat ? List all major Threat. 3
OR
What is Attacks ? Explain in detail.
- (b) Explain : 2
(1) Dictionary
(2) Spam
OR
Explain Risk Control Strategies.
- (c) Why Information Security is Required in Business ? 2
OR
Explain Risk Management.
3. (a) Write note on VPN. 3
OR
What is Firewalls ? List its Processing mode.

- (b) Explain Access Control. 2
OR
 Explain :
 (1) Circuit Gateway
 (2) Hybrids Firewall
- (c) Explain “Application Gateways”. 2
OR
 Explain “Firewall Categories by Structure”.
4. (a) What is Cryptography ? Explain Cryptography tool. 3
OR
 Write down difference between Digital Signature and Digital Certificate.
- (b) What is Steganography ? Explain. 2
OR
 Explain Public Key Infrastructure.
- (c) Explain Cipher Method. 2
OR
 Explain Aims of Cryptography.
5. Answer the following question by choosing proper option given at the end of each question : 7
- (1) Give full name of CIO _____.
 (a) Chief Information Officer (b) Critical Information Organization
 (c) Chief Investigation Officer (d) Crime Information Officer
- (2) Complete loss of power for a moment is known as a _____.
 (a) Blackout (b) Fault
 (c) Brownout (d) Spike
- (3) Application Level Firewall also known as _____.
 (a) Application gateway (b) Aroxy Server
 (c) both (a) & (b) (d) None of the above
- (4) ARPA stand for _____.
 (a) Auto Research Project Agency (b) Advance Research Project Agency
 (c) Advance Rate Prototype Agency (d) None of the above
- (5) Asymmetric Encryption also known as _____.
 (a) Public Key (b) Secret Key
 (c) Symmetric (d) SSL
- (6) Malicious code also known as _____.
 (a) Malware (b) Malicious software
 (c) both (a) & (b) (d) None of the above
- (7) _____ a main part of Encryption and Decryption.
 (a) Key (b) Paper
 (c) Electronic Media (d) None of the above
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