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Kharghar, Navi Mumbai - 410 210.

Computer Engineering Department

Name of Programme: - CO6I

Name of Course: - Network And Information Security- 22620 (SEM-VI)

Course Outcomes:-

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Assignment –I(B)

Q1) Draw and describe man in the middle attack?

Q2) Describe various phase of virus?

Q3) Differentiate between data and information?

Q4) Enlist basic principles of information security?

Q5) Explain the criteria for classification?

Q6) Define i) threat ii) vulnerability iii) attack

Q7) Explain Risk And Risk Management in detail?

Q8) Differentiate between Active and Passive attack with ex?

Last Date Of submission:

Name of course coordinator: - Miss. Komal A Jadhav.

COMPUTER ENGINEERING DEPARTMENT

Vision: “To contribute to society through excellence in scientific knowledgeable based education of computer science professionals”.

Mission:

- To transform students in to technically components, socially responsible & ethical computerscience professional
- To promote creative teaching learning process that strive for academic excellence in the field of computer engineering..
- To enhance the technical expertise of students through workshops and industry institute interaction.

Subject Name: Network And Information Security- 22620

Date :-Assignment No :-02

Topic Name :-Introduction To Computer And Network Security

Course Outcome: Apply user authentication and identification methods.

Q1)What is authentication?

Q2)Describe the term identification in detail?

Q3)Differentiate between MAC DAC and

RBAC?Q4)Enlist various password attacks?

Q5)Explain piggy backing with ex?

Q6)Define i)visual hacking ii)Dumpster diving iii)Shoulder

sniffingQ7)Explain biometric and its types?

Q8)Define the term i)Authentication ii)access control

iii)authorizationQ9)Describe term SSO with advantages?

Q10) What is policy? Enlist its types?

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Subject Name: Network And Information Security- 22620

Date :-Assignment No :-03

Topic Name :-Introduction To Computer And Network Security

Course Outcome: Apply cryptographic algorithm and protocol to maintain computer security .

Q1)What is cryptography and

steganography? Q2)Describe the term

plaintext and ciphertext?Q3)Describe term

encryption and decryption? Q4) Define

i)Cryptology ii)Cryptanalysis

Q5)Enlist application of cryptography?

Q6)Define i)cipher ii)key iii)encryption iv)decryption

Q7)Explain symmetric key cryptography state advantage and

disadvantage?Q8)What is asymmetric key cryptography?

Q9)Describe term transposition techniques of

cryptography?Q10) Explain caesar cipher with ex?

Q11)What is digital signature?How to create it? Explain with ex?

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Name of Programme: - CO6I

Name of Course: - Network And Information Security- 22620 (SEM-VI)

Course Outcomes:-Apply measures to prevent attack on network using firewall

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Assignment –4

Q1) Explain what is firewall and need of firewall?

Q2) With help of diagram explain describe packet filter? Q3) What is IDS And explain NIDS and

HIDS in detail? Q4) What is DMZ? How it works?

Q5) Compare functionality of firewall and IDS?

Q6) Define i) honeypot ii) MIDS iii) AIDS

Q7) Explain circuit and application gateway?

Q8) Explain firewall configuration types?

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