



Avinashilingam Institute for Home Science and Higher Education for Women
(Deemed to be University Estd. u/s 3 of UGC Act 1956, Category 'A' by MHRD)
Re-accredited with 'A++' Grade by NAAC. Recognised by UGC Under Section 12B
Coimbatore - 641 043, Tamil Nadu, India

Continuous Internal Assessment II – April 2025
VI SEMESTER

Class : III UG
Major: Computer Applications

Time : 2 Hours
Max Marks: 60

21BCAC31 Cyber Security

Course Outcomes:

1. Identify various types of cyber-attacks, tools used for gathering information about target.
2. Assess different types of cyber criminals and the motives behind them.
3. Realize the exploitations and the malicious codes to be precautions.
4. Analyze the defense techniques suitable for the system.
5. Apply the techniques for securing the systems.

Part – A
Choose the correct answer

6x 1=6

1. Which of the following techniques is commonly used in malicious PDFs?
a) JavaScript execution b) HTML injection
c) CSS styling d) Image compression
CO3 K1
2. What is the purpose of the OR 1=1 condition in SQL injection?
a) It causes a syntax error in the query
b) It always evaluates to true, bypassing authentication
c) It limits query execution time
d) It prevents SQL injection
CO3 K2
3. What is the key difference between a virus and a worm?
a) A virus requires a host file, while a worm does not
b) A worm spreads slower than a virus
c) A virus only affects web applications
d) A worm can only spread through emails
CO4 K1
4. Which of the following is a strong indicator that a system is infected with spyware?
a) Slow performance and frequent pop-ups b) Increased battery life
c) Decreased network security d) The system never updates
CO4 K2
5. What is the main purpose of a honey pot in cyber security?
a) To store backup data securely
b) To attract and detect attackers by acting as a decoy system
c) To prevent unauthorized access to a database
d) To scan networks for vulnerabilities
CO5 K2
6. What is the primary function of an Intrusion Detection System (IDS)?
a) To automatically block malicious traffic
b) To detect and alert on suspicious activity in a network or system
c) To prevent all types of cyber attacks
d) To speed up internet connections
CO5 K3

Part- B

3x6=18

Answer ALL Questions

Each answer should not exceed 400 words or two pages

- 7 a. Explain Malicious PDF Files. CO3 K1
(or)
7. b. Discuss in detail about Web exploit tools CO3 K2
8. a. Describe the persistent software techniques CO4 K1
(or)
8. b. Write about stealing information and exploitation. CO4 K3
9. a. Explain the concept of memory forensics CO5 K3
(or)
9. b. Give short notes on malicious code naming CO5 K1

Part-C

3x12=36

Answer ALL questions

Each answer should not exceed 800 words or four pages

10. a. Discuss about SQL Injection CO3 K2
(or)
10. b. Explain self replicating malicious code. CO4 K1
11. a. Write in detail about attacks against privileged user accounts and escalation of privileges CO4 K1
(or)
11. b. Elaborate root kits and spyware CO4 K3
12. a. Explain about honey pots CO5 K3
(or)
12. b. Explain in detail about intrusion detection system CO5 K1

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Staff-In-Charge: Dr.D.Ambika