



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 Test I – August 2025 V SEMESTER

Class : III UG
Major : B.Voc(AI&ML)

Time: 2 hours
Maximum Marks: 60

23VAIC16 Cyber Security

Course Outcomes:

At the end of the course, students will:

1. Outline the security rudiments, comprehend the Cyber Security challenges and discriminate between different Intrusion handling methods.
2. Evaluate different bio-metrics and suggest suitable ones. Analyze the different types of security models, Audit and Assessment process.
3. Assess different security types and practice appropriate security mechanisms to minimize the risks.
4. Justify the importance of cyber crime investigation in detecting frauds and scams, scrutinize various steps and methods involved in the investigation process and prepare appropriate reports.
5. Prioritize and explain legal, Ethical and privacy issues existing in cyberspace.

Part-A

6x1=6

Choose the correct answer

1. Who is the father of computer security?
a) August Kerckhoffs b) Bob Thomas c) Robert d) Charles CO1K3
2. "Cyberspace" was coined by ____ .
a) Richard Stallman b) William Gibson c) Andrew Tannenbaum d) Scott Fahlman CO1K2
3. Where did the term "hacker" originate?
a) MIT b) New York University c) Harvard University d) Bell's Lab CO2K1
4. Malware stands for?
a. Multipurpose software b. Malfunctioned software c. Malicious software d. Malfunctioning of security CO2K2
5. EDR stands for ____?
a) Endless detection and response b) Endpoint detection and response
c) Endless detection and recovery d) Endpoint detection and recovery CO2K2
6. Identify the class of computer threats.
a) Phishing b) DOS attack c) Soliciting d) Both B and C CO2K1

Part- B

3x6=18

Answer ALL Questions

Each answer should not exceed 400 words or two pages

- 7.a. What is the CIA triangle?(or) CO1K3
- 7.b. Write short notes on Denial of Service. CO1K2
- 8.a. Write the advantages of Cyber Security.(or) CO1K2
- 8.b. Define the terms Virus, Malware, and Ransomware. CO2K3
- 9.a. Differentiate between Information security and information assurance.(or) CO2K2
- 9.b. List types of security tools. CO2K2

Part-C

3x12=36

Answer ALL questions

Each answer should not exceed 800 words or four pages

- 10.a. Explain the types of Biometric Authentication Methods. (or) CO1K1
- 10.b. Elaborate methods of Authentication. CO1K3
- 11.a. Briefly What do you understand by Risk, Vulnerability and threat in a network. (or) CO2K1
- 11.b. What is cybersecurity, and why is it important? CO2K3
- 12.a. Explain the concept of a secure Password. (or) CO2K4
- 12.b. What are the common techniques for securing a computer network? CO2K1

