# 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 II – October 2025**
**V SEMESTER**

**Class : III UG** **Time: 2 hours**
**Major : B.Voc(AI&ML)** **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. Computer forensics also known as?
a) Digital forensic science b) Computer crime
c) Computer forensic science d) Computer forensics investigations CO1K3

2. The first computer virus is___ .
a) Virus Bomb b) Blaster C) Sasser d)Creeper CO1K2

3. Expand DoS Attacks _____?
a) Denial of Service b) Disk operating System
c) Duplication of Service d) System software CO2K1

4. Malware stands for? CO2K2
a. Multipurpose software b. Malfunctioned software c. Malicious software d. Malfunctioning of security

5. Which of the following have the capability of spreading itself? It doesn't require the host and human support to spread C02K2
a) Virus b) Trojan c) Worm d) Bug

6. Cyber crime can be categorized in to ___ types. CO2K1
a) 1 b) 2 c) 3 d) 4

**Part- B** **3x6=18**

**Answer ALL Questions**
**Each answer should not exceed 400 words or two pages**

7.a. What is Cloud Security? (or) CO1K3
7.b. Write short notes on Web Security. CO1K2

8.a. Write the types of Cyber Crime. (or) CO1K2
8.b. List the branches of Digital Forensics. CO2K3

9.a. Write Evidentiary value of E-Mail. (or) CO2K2
9.b. List Information Technology Act 2000. CO2K2

**Part-C** **3x12=36**

**Answer ALL questions**
**Each answer should not exceed 800 words or four pages**

10.a. Explain the E-Mail Security. (or) CO1K1
10.b. Elaborate IoT Security. CO1K3

11.a. Briefly explain the investigation methods of Digital Forensic. (or) CO2K1
11.b. Write a note about a) Data Frauds, b) Stylometry? CO2K3

12.a. Explain the Laws in Cyber Crime. (or) CO2K4
12.b. Explain RBI Act and IPR in India? CO2K1

**No. of Copies : 55** ********** **Staff in-charge: Dr.T.Prabha**