Avinashilingam Institute for Home Science and Higher Education for Women
(Deemed to be University under Category 'A' by MHRD, Estd. u/s 3 of UGC Act 1956)
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
Semester-II

Class:I PG **Time: 2Hours**
Branch : Information Technology **Max. Marks: 60**

21MITI01– CYBER FORENSICS

Course Outcomes:
CO1 :Describe the essential computer forensic technologies, services and vendors in the field of digital forensic science
CO2 : Demonstrate knowledge in numerous forensic tools and utilization of tools for data recovery and image verification procedures.
CO3 : Identify the significance of a systematic procedure to investigate electronic data in order to discover digital evidence of unlawful activity.
CO4 : Manage with threats related to security and information warfare
CO5 : Procure hypothetical knowledge in many areas of computer forensic investigations.

Part A **6 x 1 =6**
Choose the Correct Answer

1. _____ protocol synchronize the clock with accurate time. CO3 K2
a. NTP b. TCP c. IP d. SMTP
2. The small change in time keeping is _____. CO3 K1
a.jitter b. slow c. fast d. litter
3. _____ is the war-fighting or tactical application of MIWT. CO4 K2
a. C2W b. W2C c. IWP d. IW
4. An attacker inserts a software program at a remote network r that monitors information packets sent through the system and reconstructs it. CO4 K3
a.Sniffing b. Encryption c. Denial of service d. Access control
5. The general task of investigator when working with digital evidence is _____ CO5 K2
a. Identify evidence b. Analyze evidence c. Rebuild evidence d. All the above
6. _____identify criminals and victims using trace evidence like hair or skin samples. CO5 K1
a. DNA Profiling b. AFIS c. XFT d. Link analysis

Part B **3 x 6 = 18**
Answer ALL questions
Each answer should not exceed 400 words or two pages

7.a. Explain Why to collect Computer Evidences? (Or) CO3 K4
7.b. Illustrate the steps for collecting Cyber Evidences. CO3 K3
8.a. Evaluate Cyber warfare (Or) CO4 K5
8.b. Discuss the role of international organizations in fighting against macro threats of information warfare. CO4 K2
9.a. Explain victims and refugees. (Or) CO5 K4
9.b. Assess surveillance tools. CO5 K5

Part C **3 x 12 = 36**
Answer ALL questions
Each answer should not exceed 800 words or four pages

10 a. Explain the steps for processing computer evidences. (Or) CO3 K4
10 b. Analyze the types of cyber threats CO3K4

11.a.Discuss in detail about defensive strategies and tactics of military. (Or) CO4 K2
11 b. Explain in detail Tactics of Private Companies CO4 K4
12.a. Predict the new tools of terrorism. (Or) CO5 K5
12 b. Evaluate the advantages of Advanced Computer Forensics Technology CO5 K5

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