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21CS653

Sixth Semester B.E./B.Tech. Degree Examination, Dec.2024/Jan.2025
Introduction of Cyber Security

Time: 3 hrs.   Max. Marks: 100

Note: *Answer any FIVE full questions, choosing ONE full question from each module.*

Module-1

1 a. Explain Classification of cybercrime. **(08 Marks)**
   b. Explain Indian ITA 2000 key provisions. **(08 Marks)**
   c. Elaborate who are cyber criminals. **(04 Marks)**

OR

2 a. Explain how Pedophiler operates. **(07 Marks)**
   b. Discuss the following terms :
      i) Spamming   ii) Industrial Espionage   iii) Software piracy   iv) Salami attack   v) Computer sabotage   vi) Data diddling. **(10 Marks)**
   c. Define a cyber crime. **(03 Marks)**

Module-2

3 a. Define different categories of cybercrime. **(06 Marks)**
   b. Explain human based social engineering. **(06 Marks)**
   c. Explain attack vector to deliver payload. **(08 Marks)**

OR

4 a. Explain botnet, the Fuel for cybercrime. **(10 Marks)**
   b. Explain safety and security while using the computer in a cyber case. **(10 Marks)**

Module-3

5 a. Explain Trojan horses and backdoors. **(08 Marks)**
   b. Explain tools to monitor and protect the wireless networks. **(12 Marks)**

OR

6 a. Explain key loggers. And discuss its classification. **(10 Marks)**
   b. Explain the concept of random password. **(10 Marks)**

Module-4

7 a. Categorize victim of cybercrime. **(06 Marks)**
   b. Explain the concept of pseudo victim. **(06 Marks)**
   c. Enumerate characteristics of a good cyber investigator. **(08 Marks)**

OR

8 a. Explain the role of motherboard. **(10 Marks)**
   b. Explain the role of processor and memory. **(10 Marks)**

Module-5

9 a. Explain Firewall logs, Replier, Alarms and alerts. **(10 Marks)**
   b. Explain various types of IDS characteristics. **(10 Marks)**

OR

10 a. Explain the methods followed by Agency to preserve digital evidence. **(10 Marks)**
    b. Explain documenting evidence analysis. **(10 Marks)**

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