ODD SEMESTER EXAMINATION, 2023 – 24
IInd yr , B.Tech
Cyber Security

Duration: 3:00 hrs   **Max Marks: 50**

Note: - Attempt all questions. All Questions carry equal marks. In case of any ambiguity or missing data, the same may be assumed and state the assumption made in the answer.

Q 1.	Answer any two parts of the following. a) What is the difference between snooping and spoofing? b) Differentiate between active and passive attacks. c) What do you mean by confidentiality and explain its threats?	5x2=10
Q 2.	Answer any two parts of the following. a) Explain the need of cyber forensics and computer forensics. b) What are the special techniques for forensics auditing? c) Define the term: a) Cyber Terrorism b) Cyber Espionage	5x2=10
Q 3.	Answer any two parts of the following. a) Discuss the major security challenges faced by wireless technology? b) How message authentication code can be used to achieve message authentication and confidentiality? c) Explain digital signature and its authentication protocol.	5x2= 10
Q 4.	Answer any two parts of the following. a) Discuss the potential threat faced by any organization and how these web threat can be prevented. b) How can you trace the mindset of hackers & cyber criminals? Is there any strategy to trace the steps of a hacker. Justify your answer. c) Explain integrity and its threats too.	5x2= 10
Q 5.	Answer any two parts of the following. a) Briefly discuss some of the regulatory authorities for prevention of cyber-crime. b) What are the challenges and constraint faced by Internet Goverance? c) What is the IT Act of 2008?	5x2= 10

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