END TERM EXAMINATION

THIRD SEMESTER (BCA) JANUARY-2024

Paper Code: BCAT-213	**Subject: Cyber Security**
Time: 3 Hours	**Maximum Marks :75**

Note: Attempt five questions in all including Q.no.1 which is compulsory. Select one question from each unit.

Q1   Write short notes (**Any five**):   **(5x5=25)**
    (a)   Cyber Space
    (b)   Botnet
    (c)   Cloud Computing
    (d)   Cyber Criminal
    (e)   Cyber Threat
    (f)   Cyber Stalking
    (g)   Firewall
    (h)   Viruses & Trojan Horse

UNIT-I

Q2   (a)   Describe the layers of Cyber Security.   **(5)**
    (b)   What do you understand by cyber-criminals? Explain any 2 cybercrimes.   **(7.5)**
Q3   (a)   What are the Cyber Crimes? Explain its categories.   **(5)**
    (b)   Describe at least 5 types of cyber threats.   **(7.5)**

UNIT-II

Q4   (a)   Explain the concept of phishing and its working.   **(5)**
    (b)   Describe Keylogger and its types. How can we detect keylogger? **(7.5)**

Q5   (a)   Describe backdoor steganography.   **(5)**
    (b)   Differentiate between DoS & DDoS attack.   **(7.5)**

UNIT-III

Q6   (a)   How do you differentiate between authentication & authorization? **(5)**
    (b)   What do you understand by Cryptography? Differentiate between Symmetric- key & Asymmetric-key Cryptography.   **(7.5)**

Q7   (a)   Describe the ways/methods by which authentication can be done. **(5)**
    (b)   How do you secure your email? What are the backup issues involved?   **(7.5)**

UNIT-IV

Q8   (a)   Define Cyber Forensics. Why there is a need of Cyber Forensics? **(5)**
    (b)   Describe the phases of computer forensic/digital forensics.   **(7.5)**

Q9   (a)   Discuss the life cycle of digital forensic.   **(5)**
    (b)   Explain Steganography. How computer forensics are related with steganography?   **(7.5)**

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