[6226]-501

B.B.A.(C.A.)

CA-501 : CYBER SECURITY

(2019 Pattern) (Semester - V)

Time : 2½ Hours]   *[Max. Marks : 70*

Instructions to the candidates:

1) All questions are compulsory.

2) A neat diagram must be drawn wherever necessary.

3) Figures to the right indicate full marks.

Q1) **Attempt any EIGHT of the following. (out of TEN) :**   [8 × 2 = 16]

a) What is Phishing?

b) Define Cyber Terrorism.

c) Define term Cyber Security.

d) What is Public-key Certification in Digital Signature?

e) Define term Cybercrime.

f) What is reconnaissance?

g) Define denial-of-service (DoS) attack.

h) Define attack vector.

i) What is Steganography?

j) What is online fraud?

Q2) **Attempt any FOUR of the following. (out of FIVE) :**   [4 × 4 = 16]

a) Why there is need of Computer Forensic?

b) Discuss various password cracking techniques.

c) Discuss different types of active attack and passive attack.

d) Explain how botnets can be used as a fuel to cybercrime.

e) What is SQL injection and what are the different countermeasures to prevent the attack?

P.T.O.

Q3) **Attempt any FOUR of the following. (out of FIVE) :** [4 × 4 = 16]

   a)   What are the consequences of cybercrime and their associated cost?

   b)   Explain in brief each type of Intellectual Property.

   c)   What are the challenges to Indian Law and cybercrime scenario in India?

   d)   Explain the cyber security real life incident example.

   e)   What is cyber forensics explain in details?

Q4) **Attempt any FOUR of the following. (out of FIVE) :** [4 × 4 = 16]

   a)   Define virus. Discuss the types of viruses.

   b)   What is Domain Name? Explain with example.

   c)   What is CIA? Discuss three concept of CIA model.

   d)   Explain different types of credit card frauds.

   e)   Explain the rules of Digital Evidence.

Q5) **Write a short note on Any TWO of the following. (Out of THREE) :**

   [2 × 3 = 6]

   a)   Copyrights.

   b)   The ITA 2000 sections.

   c)   Online Scams.

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