

Total No. of Questions : 5]

SEAT No. :

PA-1978

[Total No. of Pages : 2

[5954]-501

B.B.A. (C.A.)/B.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) 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) Define term Cybercrime.
- b) What is online fraud?
- c) Define term Cyber Security.
- d) What is reconnaissance?
- e) What is Phishing?
- f) Define attack vector?
- g) Define denial-of-service (DoS) attack.
- h) What is Public-key Certification in Digital Signature?
- i) What is Steganography?
- j) Define Cyber Terrorism?

Q2) 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.

P.T.O.

Q3) Attempt any Four of the following (out of Five) : [4 × 4 = 16]

- a) What are the challenges to Indian Law and cybercrime scenario in India?
- b) Explain in brief each type of Intellectual Property.
- c) What is cyber forensics explain in details?
- d) Explain the cyber security real life incident example.
- e) What are the consequences of cybercrime and their associated cost?

Q4) 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?

Q5) Write a short note on Any Two of the following. (9 out of Three)

[2 × 3 = 6]

- a) Hacking.
- b) The Indian IT Act.
- c) Phishing.

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