

Total No. of Questions : 5]

SEAT No. :

P2139

[Total No. of Pages : 2

[5803]-501

T.Y. BBA(CA)

CA - 501 : CYBER SECURITY

(2019 Pattern) (Semseter - V)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *All questions are compulsory.*
- 2) *Neat diagrams must be drawn wherever necessary.*

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

- a) What is CyberCrime?
- b) What is Digital Forensic?
- c) What are the two categories of CyberCrime?
- d) What is reconnaissance?
- e) What is cyber stalking?
- f) Define attack vector?
- g) What is Phishing?
- h) What is Public-Key certification in Digital Signature?
- i) Define denial - of - service (DOS) attack.
- j) What is the difference between Virus and Worm?

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

- a) Explain in brief each type of Intellectual property.
- b) Why do we need cyber laws in India?
- c) What is cyber forensics explain in details?
- d) What is proxy server? Also write the purpose of it.
- e) Explain different types of credit card frauds.

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

- a) Explain the different real life example of CyberCrime.
- b) What is Domain Name? Explain with example.
- c) Explain how botnets can be used as a fuel to Cybercrime.
- d) Describe active and passive attacks in details.
- e) What is SQL injection? Explain different methods to prevent SQL injection attack.

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

- a) Explain organizational guidelines for internet usage.
- b) Define virus. Discuss the types of viruses.
- c) Discuss how emails are used in Forensics analysis.
- d) What is CIA? Discuss three concept of CIA model.
- e) What are the challenges to Indian Law and Cybercrime scenario in India?

Q5) Write a short note on any Two of the following (out of THREE) : **[2 × 3 = 6]**

- a) The ITA 2000 sections 65, 66 and section 67.
- b) Social media marketing.
- c) Data Diddling.

