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Total No. of Questions : 8] *[Total No. of Printed Pages :2*

Roll No .....

IT-7004 (1) (CBGS)

B.E. VII Semester

Examination, November 2019

Choice Based Grading System (CBGS)

Cyber Security and Forensics

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

1. Write and explain following attacks in detail.
   a) E-mail spoofing
   b) Cyber defamation
   c) Password sniffing
   d) Man in middle attack

2. a) What do you mean by identity theft? Describe its types.
   b) Describe in detail SQL injection attack.

3. a) What do you mean by Cyber Security? How cyber security differs from cyber forensics?
   b) What are the goals of cyber security? How to implement Hardware based security?

4. a) What is the use of Cyber Forensics in present era? Explain any two tools of Cyber Forensics.
   b) What do you mean by the term "Chain of Custody"? How is it related to crime investigation?

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5. a) How deleted files are recovered using data recovery tools? Give a suitable example to explain the process.
   b) What are the challenges faced in cyber forensics? How to overcome them?

6. a) Write a note on digital evidence collection and preservation.
   b) How E-mail and IP tracking are useful in cyber forensics investigation?

7. a) Write the need of cyber laws. Enlist cyber law in India with special reference to IT Act, 2000.
   b) What do you mean by Cyber Crime? Explain the objectives of cyber criminals.

8. Write short notes on any two of the followings:
   i) IPR
   ii) Social Engineering
   iii) DOS and DDOS attacks.

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