

C.U.SHAH UNIVERSITY

Summer Examination-2017

Subject Name: Cyber Security & Forensic Investigator

Subject Code: 5CS02WCY2

Branch: M.Sc.IT (WebTech)

Semester: 2

Date: 02/05/2017

Time: 02:00 To 05:00

Marks: 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
 - (2) Instructions written on main answer book are strictly to be obeyed.
 - (3) Draw neat diagrams and figures (if necessary) at right places.
 - (4) Assume suitable data if needed.
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SECTION-I

Que-1 Attempt all the following short questions. [7]

1. Define cyber security.
2. Give full form of: ITA.
3. What is password sniffing?
4. List out 5P "Natizens Mantras" for online security.
5. Explain hashed password.
6. List out names of online password attacks.
7. What is the purpose of Cain & Abel software?

Que-2 Attempt all questions. [14]

1. Explain following cybercrimes in detail. [7]
 - A. Phishing
 - B. Salami Attack
 - C. E-mail Bombing
2. What is password? Explain cleartext & obfuscated password in detail. [7]

OR

Que-2 Attempt all questions. [14]

1. Write a detailed note on dictionary attack. [7]
2. Explain ITA 2000 with key provisions under it in detail. [7]

Que-3 Attempt all questions. [14]

1. Who are cyber criminals? Explain categories of cyber criminals. [5]
2. Explain terms: 1. Smishing 2. Mishing [5]
3. Explain any four password cracking tools. [4]



OR

- Que-3 Attempt all questions.** [14]
1. Explain brute force attack in detail. [5]
 2. Write a note on: volatile memory. [5]
 3. What is cyber law? Why we need cyber law? [4]

SECTION-II

- Que-4 Attempt all the following short questions.** [7]
1. Give one difference between volatile and non-volatile information.
 2. Define cookie.
 3. Give full form of: NIDS.
 4. What is the use of ChromeAnalysis tool?
 5. What do you mean by event?
 6. What is research honeypot?
 7. List out various types of DoS attack.

- Que-5 Attempt all questions.** [14]
1. Write a detailed note on MD5 function. [7]
 2. What is firewall? Explain various types of firewall. [7]

OR

- Que-5 Attempt all questions.** [14]
1. What is forensic tool? Explain its types in detail. [5]
 2. Explain new line injection attack. [5]
 3. Explain honeypot in detail. [4]

- Que-6 Attempt all questions.** [14]
1. Write a short note Intrusion Detection System. [5]
 2. What is DNS poisoning? How this attack works? [5]
 3. What is registry? Explain all top level registry keys in short. [4]

OR

- Que-6 Attempt all questions.** [14]
1. Write a short note on: Memory Dump. [5]
 2. Explain Denial of Service (DoS) attack in detail. [5]
 3. Explain system restore point in short. [4]

