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BACHELOR OF COMPUTER APPLICATIONS (B.C.A.)
EXAMINATION : JUNE - 2022
SEMESTER - V
Sub: Cyber Security Level - III (BCA – 544-18)

Date : 28/06/2022

Total Marks : 60

Time: 10.00 am to 12.30 pm

Instructions:

1. All questions are compulsory unless and otherwise stated.
2. Bold figures to the right of every question are the maximum marks for that question.
3. Candidates are advised to attempt questions in order.
4. Answers written illegibly are likely to be marked zero.
5. Use of scientific calculators, Log tables, Mollier Charts is allowed.
6. Draw neat and labeled diagrams wherever necessary.

Q.1. Fill in the blanks.

(5)

1. _____ directs obscenities and derogatory comments at specific individuals focusing for example on gender, race, religion, nationality, sexual orientation.

a) Cyber Stalking	b) Identity Theft
c) Harassment	d) Fraud
2. A _____ can exploit security vulnerabilities to spread itself to other computers without needing to be transferred as part of a host.

a) DDoS	b) rootkit
c) Worm	d) Trojan
3. _____ provides the punishment for Hacking with intent or knowledge.

a) Section 66	b) Section 77
c) Section 67	d) Section 75
4. Objects or information of potential probative value that is associated with physical items are called as _____.

a) Digital Evidence	b) data objects
c) Duplicate Digital Evidence	d) Physical Items
5. _____ Engineering has been defined as the art of manipulating information out of a given person with a view towards learning information about or from a given EDP system.

a) Social	b) reverse
c) reverse social	d) software

Q.2. State True/False. (Solve any 5)

(5)

1. Reverse Social Engineering has been defined as the art of manipulating information out of a given person with a view towards learning information about or from a given EDP system.
2. Swap space contains volatile data.
3. An accurate digital reproduction of all data objects contained on an original physical item is called as Duplicate Digital Evidence.
4. Spoofing is carried on by use of deceiving Websites or emails.
5. Cyber Terrorism in general, can be defined as an act of terrorism committed through the use of cyberspace or computer resources.
6. To mount media on Linux OS mount command is used.

Q.3. Answer the following. (Solve any 5) (10)

1. Define the term "Imaging".
2. Define the term "Slack Space".
3. What is Cyber Crime?
4. Define the term "Cyber Stalking".
5. Define the term "Volatile data".
6. Define the term "Phishing".

Q. 4. Answer the following in detail. (Solve any 6) (30)

1. Explain in detail the process of writing expert report.
2. Explain the procedure of reviewing IIS logs with example.
3. What type of information you will gather when you will arrive at client site?
4. What is firewall? How it is useful in digital forensics?
5. Write a short note on; a) Imaging electronic media b) Collection of digital evidence
6. Write down the steps involved in computer crime investigation.
7. Explain the role of private cyber-crime investigator or consultant in investigation.

Q. 5. Answer the following in detail. (Solve any 1) (10)

1. Explain any five types of Cyber Crime.
 2. Explain in detail the five basic steps involve in computer forensics.
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