

TILAK MAHARASHTRA VIDYAPEETH, PUNE
BACHELOR OF COMPUTER APPLICATIONS (B.C.A.)

CB

EXAMINATION : DECEMBER - 2022

SEMESTER - V

Sub: Cyber Security Level- III (BCA – 544-18/BCA-CS-544-20)

Date : 16/12/2022

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.
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Q.1. Fill in the blanks.

(5)

1. _____ provides the punishment for Hacking with intent or knowledge.
a) Section 66
b) Section 77
c) Section 67
d) Section 75
2. Items on which data objects or information may be stored and/or through which data objects are transferred are called as _____.
a) Digital Evidence
b) data objects
c) Duplicate Digital Evidence
d) Physical Items
3. The process of creating an exact duplicate of the original evidentiary media is often called _____.
a) Imaging
b) Copy
c) Data Object
d) Digital Evidence
4. _____ is a condition where in a person try to track and hunt someone online and try to assault someone's privacy or some confidential information.
a) Cyber Stalking
b) Identity Theft
c) Harassment
d) spamming
5. _____, or the unsolicited sending of bulk email for commercial purposes, is unlawful to varying degrees.
a) Identity Theft
b) Harassment
c) Spam
d) Malware

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

1. Malware is software that is designed to infiltrate a computer without the owner's information.
2. Duplicate Digital Evidence means; an accurate digital reproduction of all data objects contained on an original physical item.
3. An accurate reproduction of information contained on an original physical item, independent of the original physical item is called as duplication.
4. To mount media on Linux OS hash command is used.
5. Spoofing is carried on by use of deceiving Websites or emails.

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

1. Define the term "Swap Space".
2. What is expert report?
3. Why digital evidence is said to be fragile?
4. Define the term "Identity Theft".
5. Define the term "Denial of Service Attacks".
6. What is the importance of calculating the HASH value of evidence?

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

1. What is Cyber Crime? Explain any two types of Cyber Crime.
2. What is digital evidence? Explain any two types of digital evidence.
3. Write a short note on DoS & DDoS attack.
4. What are the event log drawbacks?
5. What type of information you will gather when you will arrive at client site?
6. What is firewall? How it is useful in digital forensics?
7. Write a short note on do and don'ts for mobile no.

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

1. Explain the five basic ways computer criminal use to get information of the companies they attack.
2. What is Event Viewer? Explain the different types of logs stored in Event Viewer.