

**TILAK MAHARASHTRA VIDYAPEETH, PUNE**  
**BACHELOR OF COMPUTER APPLICATIONS (B.C.A.)**  
**(Cyber Security - 464)**

**EXAMINATION: MAY/JUNE - 2026**

## SEMESTER - V

**Sub: Cyber Security - III (BCA-CS-544-20/BCAC-23-507)**

**Date : 09/06/2026**

**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 labelled diagrams wherever necessary.

**Q.1. Fill in the blanks.**

**(05)**

1. Phone \_\_\_\_\_ is done by use of in-voice messages by the hackers where the customers are asked to reveal their account identification, and passwords.
  - a) Phishing
  - b) Pharming
  - c) spoofing
  - d) Spamming
2. The \_\_\_\_\_ log contains events logged by operating system components.
  - a) application
  - b) system
  - c) security
  - d) firewall
3. Computer \_\_\_\_\_ is any dishonest misrepresentation of fact intended to induce another to do or refrain from doing something which causes loss.
  - a) spam
  - b) spoof
  - c) fraud
  - d) crime
4. The \_\_\_\_\_ files are files which harbor information that was recently located in system RAM.
  - a) Swap
  - b) Slack
  - c) hidden
  - d) zero
5. Physical \_\_\_\_\_ are items on which data objects or information may be stored and/or through which data objects are transferred.
  - a) Objects
  - b) Items
  - c) Evidence
  - d) data

**Q.2. State True/False.**

**(05)**

1. A person who has been granted a license to issue a Digital Signature Certificate under section 24 is called as Certifying Authority.
2. An attempt to obtain the geographical location(s) of the attacker(s) using specialized software tools is called as tracking.
3. Computer forensic techniques cannot be used to recover the data.
4. Data transmission capacity of GSM in 2G Generation is 56 kps.
5. Diskcopy is the standard MS-DOS command to copy data.

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

1. What is cyber crime?
2. Define the term "Cyber Stalking"
3. What is expert report?
4. Define the term Computer Viruses.
5. What is data carving?
6. What is swap file?

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

1. Write a short note on; a. Malware b. Denial of Service Attacks
2. What are the six steps, in order, that a computer crime investigator would normally follow?
3. What is digital evidence? Explain different types of digital evidence.
4. What is firewall? How it is useful in digital forensics?
5. Write a short note on; a. Network based techniques b. Handset based techniques
6. Explain in detail four general areas of the disk where evidence might hide.
7. Explain the five basic ways computer criminal use to get information of the companies they attack.

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

1. Explain in detail the five basic steps involve in computer forensics.
  2. What is event viewer? Explain in detail different log types of event viewer.
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