

VADODARA INSTITUTE OF COMPUTER APPLICATION
BCA –III, Semester–V, Mid Semester Examination –summer 2025

Subject: Cyber Security**Date: 10/10/2025****Discipline: BCA****Time: 1.00pm to 3.30pm****Subject code: BCA23MN502****Total Marks: 50****Instructions: All questions are compulsory.**

Q-1 Answer the following Questions 10

- (a) How do viruses and worms differ?
- (b) Describe the role of cybercrime cells in India?

OR

- (a) What do you mean by Cyber Stalking.
- (b) What is Identity theft?

Q.2 Answer the following Questions 10

- (a) Explain Trojan horse, Stenography.
- (b) What are the measures for handling mobile in an organization.

OR

- (a) What is Phishing, Password cracking, key-loggers and Spyware?
- (b) What are the challenges to Indian cyberlaws?

Q.3 Answer the following Questions 10

- (a) Explain Credit Card frauds.
- (b) What are the counter measures of Identity theft? How to protect online identity.

OR

- (a) What is DoS and DDoS attack ?
- (b) What is Software Piracy?

Q.4 Answer the following Questions 10

- (a) Describe Authentication Service Security
- (b) What is SQL injection and why is it dangerous?

OR

- (a) Give Difference between Passive and Active attacks.
- (b) What is social engineering? Write one example of it.

Q.5 Do as Direct 10

1. Which of the following best defines cybercrime?
 a) Any crime committed without using computers
 b) Crime committed using computers, networks, or digital devices
 c) Only hacking into computers
 d) Only stealing money online

2. Sending bulk unwanted emails to promote products is known as:
 a) Spoofing
 b) Spamming
 c) Phishing
 d) Sniffing

3. Unauthorized copying and use of software is called:
 a) Password sniffing
 b) Software piracy
 c) Cyber defamation
 d) Phishing

4. Which of the following is a major challenge of mobile and wireless devices in cybercrime?

- a) Lack of internet
- b) Weak security and easy portability
- c) Use of landline phones
- d) Limited apps

5. Which of these is an example of an attack on mobile phones?

- a) Bluejacking
- b) Viruses only on computers
- c) Social engineering in banks
- d) None of the above

6. Which cybercrime technique hides data inside an image or audio file?

- a) Trojan Horse
- b) Steganography
- c) Phishing
- d) SQL Injection

7. SQL Injection is an attack that targets:

- a) Hardware devices
- b) Database queries
- c) Wireless routers
- d) Antivirus software

8. Which section of the IT Act deals with identity theft in India?

- a) Section 43
- b) Section 66C
- c) Section 67
- d) Section 69

9. The punishment for cyber terrorism under Section 66F of the IT Act is:

- a) Fine only
- b) 3 years imprisonment
- c) Life imprisonment
- d) No punishment

10. Which of the following is a form of cybercrime targeting individuals online?

- a) Cyberstalking
- b) Cybercafe monitoring
- c) Industrial espionage
- d) Social networking