

Dr. Babasaheb Ambedkar Open University
Term End Examination July – 2026

Course : BSCIT
Subject Code : BSCIT-503
Subject Name : Cyber Security

Date : 22/08/2026
Time : 11:30am to 01:45pm
Duration : 02.15 Hours
Max. Marks : 70

Section A

Answer the following (Attempt any three) (30)

1. Discuss Malware and Its Types in Brief.
2. Write a short note on Digital Signatures
3. Discuss how to secure a computer using free antivirus software in brief.
4. Write a short note on Hacking.
5. Explain various steps involved in forensic readiness planning.

Section B

Answer the following (Attempt any four) (20)

1. Discuss Different Types of Cyber Crime in detail
2. Explain the Counter Cyber Security Initiatives in India in brief.
3. Write a short note on the major issues with WLAN.
4. Explain the safe browsing guidelines for social networking sites in detail.
5. Discuss the different types of penetration testing in detail.
6. Explain some popular password managers in detail.

Section C

Part – A (Multiple Choice Questions) (10)

- Which key is used to decrypt data in asymmetric encryption?
A Public Key B Shared Key
C Private Key D Session Key
- Which of the following is an example of two-factor authentication?
A Username only B Password only
C Password + One-Time Password (OTP) D PIN only
- Computer Forensics is mainly used to:
A Design software B Recover and analyze digital evidence
C Develop websites D Create databases
- Which cybercrime involves registering a domain name similar to a famous trademark?
A Cyber Terrorism B Web Jacking
C Cyber Squatting D Spoofing
- Which software protects a computer from viruses and other malware?
A Compiler B Antivirus
C Browser D Editor
- What does Malware stand for?
A Managed Software B Malicious Software
C Manual Software D Modified Software
- Which malware secretly collects user information without permission?
A Virus B Worm
C Spyware D Firewall

- 8 Which cybercrime involves sending fraudulent emails to steal personal information?
A Spamming B Phishing
C Cyber Stalking D Web Jacking
- 9 DNS stands for:
A Digital Network System B Domain Name System
C Data Network Service D Domain Navigation Service
- 10 Which technique converts readable data into unreadable form?
A Authentication B Encryption
C Authorization D Compression

Part – B (Do as Directed)

(10)

- 1 Phishing aims to steal sensitive information. [True/False]
- 2 A _____ acts as a barrier between a network and the Internet.
- 3 _____hackers are also called ethical hackers.
- 4 Browser hijacking changes browser settings. [True/False]
- 5 _____ translates domain names into IP addresses.
- 6 Digital signatures provide authentication. [True/False]
- 7 Unsolicited bulk emails are called _____.
- 8 The full form of VPN is _____.
- 9 A worm requires human intervention to spread. [True/False]
- 10 A _____ horse creates a backdoor in a system.
