REV-01
BCA/61/68

2025/06

SET A

BACHELOR OF COMPUTER APPLICATION
SIXTH SEMESTER
CYBER SECURITY AND CYBER LAW
BCA-606 [CCEC]

[USE OMR FOR OBJECTIVE PART]

Duration: 3 hrs. **Full Marks: 70**

(Objective)

Time: 30 min. **Marks: 20**

Choose the correct answer from the following: *1X20=20*

1. What are the features of cyber security?
   a. Compliance
   b. Defense against internal threats
   c. Threat Prevention
   d. All of the above

2. Which is not an objective of cyber security?
   a. Identification
   b. authentication
   c. access control
   d. Lock

3. "Cyberspace" was coined by
   a. Richard Stallman
   b. William Gibson
   c. Andrew Tannenbaum
   d. Scott Fahlman

4. ____ is the method for keeping sensitive information in email communication & accounts secure against unofficial access, loss, or compromise
   a. Email security
   b. Email hacking
   c. Email protection
   d. Email safeguarding

5. What is the existence of weakness in a system or network is known as?
   a. Attack
   b. Exploit
   c. Vulnerability
   d. Threat

6. Which of the following actions compromise cyber security?
   a. Vulnerability
   b. Attack
   c. Threat
   d. Exploit

7. Cybersquatting is associated with
   a. Domain Name Dispute
   b. IP addressing dispute
   c. e-mail dispute
   d. Password dispute

8. What is Cyber Bullying?
   a. An email by a friend
   b. A threatening email
   c. When someone hits you
   d. embarrassing

9. India's first cyber police station
   a. Delhi
   b. Bangalore
   c. Chennai
   d. None of these

10. Which of the following is the hacking approach where cyber-criminals design fake websites or pages for tricking or gaining additional traffic?
    a. Pharming
    b. Website-Duplication
    c. Mimicking
    d. Spamming

11. Which of the following is not a type of a cyber crime?
    a. Identity theft
    b. Software piracy
    c. Installing antivirus software
    d. Hacking

12. Which of the following is an internet scam done by cyber-criminals where the user is convinced digitally to provide confidential information.
    a. MiTM attack
    b. Phishing attack
    c. Website attack
    d. DoS attack

13. Which section of IT Act deals with the legal recognition of electronic records?
    a. Section 4
    b. Section 2
    c. Section 5
    d. Section 6

14. What is the name of the IT law that India is having in the Indian legislature?
    a. India's Technology (IT) Act, 2000
    b. India's Digital Information Technology (DIT) Act, 2000
    c. India's Information Technology (IT) Act, 2000
    d. The Technology Act, 2008

15. What is the full form of ITA-2000?
    a. Information Tech Act -2000
    b. Indian Technology Act -2000
    c. International Technology Act -2000
    d. Information Technology Act -2000

16. What is the updated version of the IT Act, 2000?
    a. IT Act, 2007
    b. Advanced IT Act,2007
    c. IT Act, 2008
    d. Advanced IT Act, 2008

17. Assessing Computer without prior authorization is a cybercrime that comes under____
    a. Section 65
    b. Section 66
    c. Section 68
    d. Section 70

18. Digital Signature Certificate is---------- requirement under various applications.
    a. Statutory
    b. Legislative
    c. Governmental
    d. Voluntary

19. Which feature is commonly found in modern anti-virus software to help with real-time threat detection?
    a. Manual updates
    b. Cloud-based detection
    c. Offline scanning
    d. Passive scanning

20. Which of the following are endpoint device security controls?

a. External storage block by default
b. Active Antivirus
c. Password policy for login
d. All of the above

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(Descriptive)

Time : 2 hrs. 30 min. **Marks : 50**

[Answer question no.1 & any four (4) from the rest]

1. What do you mean by cyber security? Explain the issues and the challenges of cyber security. 10

2. What do you mean by Cyberspace? Explain the architecture and regulation of cyberspace in details along with an example. 10

3. What do you mean by cybercrime? Explain the types of cybercrime in details along with an example. 10

4. What do you mean by cyberbullying? Explain the effects of cyberbullying and how to prevent or stop cyber bullying. 10

5. What do you mean by cyberlaw? Explain the importance and the major areas of cyber law. 10

6. How cyber laws affects different countries? What are the punishments for Cyber Crime under Indian Constitution? 10

7. Explain IT Act, 2000 and its amendments based on the limitations of IT Act, 2000 10

8. Explain the cyber security case studies for enhancing network security with predictive analytics and strengthening endpoint security through advanced encryption method in details along with an example. 10

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