

(FOR THE CANDIDATES ADMITTED

SUBJECT CODE **22 UEC 6E7**

DURING THE ACADEMIC YEAR 2022-23 ONLY)

REG.NO. **N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI****END-OF-SEMESTER EXAMINATIONS : MAY – 2025****B.Com. – E.COMMERCE****MAXIMUM MARKS: 50****VI SEMESTER****TIME : 3 HOURS****PART – III  
CYBER SECURITY****SECTION – A****(10 X 1 = 10 MARKS)****ANSWER THE FOLLOWING QUESTIONS.****(K1)**

1. What is the official birthday of the internet?
  - a) August 15, 1960
  - b) March 1, 1982
  - c) January 1, 1983
  - d) December 31, 1965
2. What does cyber security protect?
  - a) Cyber security protects criminals
  - b) Cyber security protects internet-connected systems
  - c) Cyber security protects hackers
  - d) Both a and c
3. What is the primary purpose of assigning access privileges to user accounts?
  - a) To personalize the user experience
  - b) To control access to resources and data
  - c) To track user activity
  - d) To improve system performance
4. What types of protocols are used in VPNs?
  - a) Application level protocols
  - b) Tunnelling protocols
  - c) Network protocols
  - d) Mailing protocols
5. \_\_\_\_\_ is any software program used for marketing purpose.
  - a) Malware
  - b) adware
  - c) antivirus
  - d) Both b and c

**ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES. (K2)**

6. What is weak authentication?
7. Define firewall
8. Restate in your words about malware
9. List any 2 applications of cryptography.
10. What is cyber forensics?

**(CONTD .... 2)**

**SECTION – B (5 X 3 = 15 MARKS)****ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K3)**

11. a) Discuss the role and significance of cyber security.  
(OR)

b) Explain the impact of vulnerabilities in software.

12. a) Give short notes of E-mail security.  
(OR)

b) Outline the key guidelines for selecting a secure password.

13. a) Explain the impact of unauthorized access.  
(OR)

b) Illustrate the concept of Cyber Security standards

14. a) Elucidate the type of firewalls.  
(OR)

b) Explain how IPSec ensures secure connection between devices

15. a) Explain the methods used to trace Internet access.  
(OR)

b) Write the steps to recover information loss.

**SECTION – C (5 X 5 = 25 MARKS)****ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K4 (Or) K5)**

16. a) Explain the vulnerabilities in software.  
(OR)

b) Explain the various types of threats.

17. a) Elaborate the role of firewall in browsers.  
(OR)

b) Provide an overview of smart phone security.

18. a) Discuss the different Intrusion Detection and Prevention techniques.  
(OR)

b) Explain the role of Government and Private organization in cyber space.

19. a) Classify cryptography and explain with examples.  
(OR)

b) Elucidate PGP and MIME.

20. a) Explain how disk-based analysis is done in cyber forensics.  
(OR)

b) Discuss the recent trends threats in Cyber Security.