

(FOR THE CANDIDATES ADMITTED

SUBJECT CODE **23 UEC 516**

DURING THE ACADEMIC YEAR 2023-24 ONLY)

REG.NO.

N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI

END-OF-SEMESTER EXAMINATIONS : NOVEMBER – 2025

B.Com.-E.COMMERCE

MAXIMUM MARKS: 75

V SEMESTER

TIME : 3 HOURS

PART – III

INFORMATION SECURITY & E-COMMERCE TECHNOLOGY

SECTION – A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

(K1)

1. What is the function of transmission media in communication systems?
a) Storage b) Data transfer c) Processing d) Formatting
2. PHISHING is a type of.....
a) Legal transaction b) Online advertisement c) Cyber attack d) Data encryption
3. Which of the following is an internet marketing technique?
a) Firewall b) EDI c) SEO d) Protocol
4. One key advantage of E-banking is.....
a) Slower transactions b) 24/7 access c) No online history d) Limited service
5. Smart Card is a.....
a) Debit card b) Card with embedded microchip c) Flash drive d) QR code

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES.

(K2)

6. State the components of a communication system.
7. List any three information security threats.
8. State any two models of internet advertising.
9. Mention any two components of E-learning.
10. Write a note on digital payment .

SECTION – B

(5 X 5 = 25 MARKS)

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K3)

11. a) Describe the goals of information security. Analyze how attacks like Spoofing and tampering affect the goals.

(OR)

- b) Analyze the various types of attacks and suggest techniques to overcome them.

(CONTD 2)

12. a) Discuss various web security threats like cross site scripting and SQL Injection with suitable examples.
(OR)
b) Explain the role of firewalls and intrusion detection systems in Network security.
13. a) Apply your understanding to compare different internet advertising Models. Discuss their weaknesses.
(OR)
b) Describe the steps involved in electronic data interchange and highlight its advantages.
14. a) Explain the concept of m-commerce and list its advantages and disadvantages.
(OR)
b) Examine the changing dynamics in e-banking and discuss transaction processing with a flowchart.
15. a) Evaluate the risks involved in electronic payment systems. Discuss the steps in designing a secure EPS.
(OR)
b) Analyze the working of crypto currency and explain the concept of double Spending with reference to bitcoin

SECTION – C

(5 X 8 = 40 MARKS)

**ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.
(K4 (Or) K5)**

16. a) Explain the layers of TCP/IP model and the role each layer plays in network communication.
(OR)
b) Illustrate the various protocols used in communication systems with examples.
17. a) Examine the password management techniques and their importance in securing systems.
(OR)
b) Evaluate the importance of computer forensics and explain how Steganography is used.
18. a) Analyze the legal and privacy issues in electronic data interchange.
(OR)
b) Justify the role of internet advertising as a competitive media platform.
19. a) Assess the benefits and limitations of mobile computing applications in E-commerce.
(OR)
b) Examine the barriers to E-learning and suggest methods to overcome them.
20. a) Critically evaluate the history, creation and use of crypto currency in digital transactions.
(OR)
b) Discuss the structure and flow of an electronic payment system and its importance in E-commerce.