

(7 pages)

Reg. No. :

Code No. : 12264 E Sub. Code : CMBE 64

B.Com. (CBCS) DEGREE EXAMINATION,
APRIL 2025.

Sixth Semester

Banking and E-Commerce – Core

E-COMMERCE TECHNOLOGY

(For those who joined in July 2022 only)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. Router primarily _____ in a network
- (a) Encrypts data
 - (b) Stores user profiles
 - (c) Directs traffic between networks
 - (d) Host's websites

2. _____ is related to identifying a computer on the internet?
- (a) Domain Name System (DNS)
 - (b) HTTP
 - (c) URL
 - (d) ISP
3. _____ is a major benefit of Electronic Data Interchange (EDI)
- (a) Reduced paper usage and faster processing of documents
 - (b) Higher infrastructure costs
 - (c) Increased manual data entry
 - (d) Higher risk of data corruption
4. _____ ensures the legal validity of electronic signatures in many countries
- (a) Electronic Signatures in Global and National Commerce (ESIGN) Act
 - (b) General Data Protection Regulation (GDPR)
 - (c) Federal Trade Commission (FTC) guidelines
 - (d) none

5. _____ is the primary function of a firewall in network security
- (a) To block only incoming traffic
 - (b) To encrypt sensitive data
 - (c) To monitor and control incoming and outgoing network traffic based on security rules
 - (d) none of the above
6. In a client-server architecture, the server is responsible for _____.
- (a) Sending requests to clients
 - (b) Providing services or resources to the client
 - (c) Managing hardware and network components
 - (d) none of the above
7. _____ encryption method is commonly used to secure documents in network
- (a) RSA (Rivest-Shamir-Adleman)
 - (b) HTTP
 - (c) FTP
 - (d) none of the above

8. _____ is a primary risk associated with Electronic Data processing (EDP) systems
- (a) Data duplication
 - (b) Unauthorized access to sensitive data
 - (c) High transaction speed
 - (d) none of the above
9. _____ is an essential feature of a secure electronic payment system
- (a) Quick user registration
 - (b) Data encryption and secure authentication
 - (c) Unregulated payment gateways
 - (d) Low transaction fees
10. _____ is the primary purpose of a smart card in an electronic payment system
- (a) To store customer information for later use
 - (b) To encrypt and authenticate financial transactions
 - (c) To monitor online browsing habits
 - (d) none of the above

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).
Each answer should not exceed 250 words.

11. (a) Explain the concept of network access in the context of E-Commerce.
Or
(b) Give short notes on any two of the following: URL, IP, DNS, HTTP.
12. (a) Explain in brief the main components of the Information Highway (I-way).
Or
(b) What are the key features and components of an EDI system?
13. (a) What are the key features and components of an EDP system?
Or
(b) Explain the importance of encrypting documents.
14. (a) Discuss the emerging trends in client-server network security.
Or
(b) Discuss the key features of customer-oriented c-commerce applications.

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15. (a) Explain any four of the different types of Electronic Payment Systems (EPS) commonly used in E-Commerce.

Or

- (b) What are the key components that should be considered when designing an electronic payment system?

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).
Each answer should not exceed 600 words.

16. (a) Explain different classifications of electronic commerce with real-world examples.
Or
(b) Discuss the architecture and anatomy of an E-Commerce application in detail.
17. (a) Explain in detail the role of various network access equipments in supporting E-Commerce.
Or
(b) How does the adoption of Electronic Data Interchange (EDT) benefit businesses?

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18. (a) Explore how data security practices can prevent unauthorized access and data hacking etc.

Or

- (b) Discuss potential security measures that can be implemented to secure data exchanges between clients and servers.

19. (a) Discuss how emerging technologies are being used to enhance the security of data.

Or

- (b) Discuss the importance of data integrity and confidentiality in ensuring secure communications in e-commerce transactions.

20. (a) Discuss the design principles that should be followed to ensure effective electronic payment system.

Or

- (b) Compare and contrast smart cards and credit cards in terms of their usage in electronic payment systems.