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**BCACAC 381**

**Choice Based Credit System Sixth Semester B.C.A. Degree  
Examination, July/August 2023  
(2021-22 Batch Onwards)  
E-COMMERCE**

Time : 3 Hours

Max. Marks : 80

**Note :** Answer **any ten** questions from **PART – A** and **any one full** question from **each** Unit in **PART – B**.

**PART – A**

**(10×2=20)**

1. a) Define electronic commerce.
- b) Give any two applications of e-commerce.
- c) Define a business model.
- d) Give any two benefits of EDI.
- e) What is encryption ? Name any two encryption techniques.
- f) What is HTML? Why is it used in e-commerce ?
- g) Give any two benefits of a star topology.
- h) Name any four cabling systems used in IEEE 802.3 LAN.
  - i) What is DNS ? Why is it used?
  - j) Define mobile commerce.
  - k) What is PGP ?
    - l) What is cryptography ?

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**PART – B**

**UNIT – I**

**(4×15=60)**

2. a) Explain the B2B e-commerce with an example.
- b) Explain the benefits of e-commerce.
- c) What are the services provided by web hosting and internet services model ?

**(5+5+5)**

P.T.O.



- 3. a) Explain the B2C e-commerce with an example.
- b) What is a Subscription Model ? How does it work ?
- c) Write the applications of e-commerce technologies. (5+5+5)

UNIT – II

- 4. a) Explain the framework of e-commerce with a neat diagram.
- b) What is EDI ? Explain the different benefits of EDI. (8+7)
- 5. a) Explain the working of E-Cash payment system with a neat diagram.
- b) Explain the layered architecture of an EDI system with a neat diagram. (8+7)

UNIT – III

- 6. a) With a neat diagram explain the different steps in a typical interaction of an HTTP session.
- b) Explain the working of FTP protocol with a neat diagram. (8+7)
- 7. a) Explain the TCP/IP reference model with a neat diagram.
- b) Explain the architecture of an e-mail system with a neat diagram. (8+7)

UNIT – IV

- 8. a) Explain the major impediments faced by the mobile commerce environment.
  - b) Explain the conventional encryption model with a neat diagram.
  - c) What is a firewall and how does it protect a site ? Name the different types of firewalls. (5+5+5)
  - 9. a) What are the different types of network transaction security issues ?
  - b) Explain the public key cryptosystem with a neat diagram.
  - c) Explain 3G networks. (5+5+5)
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