BCACAC 381

Choice Based Credit System Sixth Semester B.C.A. Degree Examination, September 2022
(2021-2022 Batch Onwards)
E-COMMERCE

Time : 3 Hours

Max. Marks : 80

Note : Answer **any ten** questions from Part – **A** and **one full** question from **eac**h Unit in Part – **B**.

PART – A

1. a) Define electronic commerce. **(10x2=20)**

   b) List the different phases of an e-commerce market element.

   c) Define a business model.

   d) What is VAN ? Give any 2 services of VAN.

   e) What is the use of business service infrastructure in e-commerce ?

   f) What is a micro payment ?

   g) What is ALOHA ?

   h) Name any 4 cabling systems used in IEEE 802.3 LAN.

   i) What is FTP ? Why is it used ?

   j) What is a packet sniffer ?

   k) What is PGP ?

   l) Define Mobile Commerce.

PART – B
Unit – I

2. a) Explain the B2C E-commerce with an example.

   b) What are native content business models ? Explain any two types of models in this category.

   c) Write any three applications of E-commerce technologies. **(5+7+3)**

3. a) Explain the benefits of e-commerce.

    b) What are the services provided by web hosting and internet services model ?

    c) Explain the B2B E-commerce with an example.   **(5+5+5)**

Unit – II

4. a) Explain the layered architecture of an EDI system with a neat diagram.

    b) Explain the different protocols and their services in the network service infrastructure.

    c) Explain the working of E-Cash payment system with a neat diagram.   **(6+4+5)**

5. a) Explain the different benefits of EDI.

    b) Explain the services provided by networked multimedia content publishing in e-commerce.

    c) Discuss the basic requirements of an online payment system.   **(5+4+6)**

Unit – III

6. 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)**

7. a) Explain any two types of topologies in a LAN with neat diagrams.

    b) Describe the domain name system and how it manages the name space.

    c) Write a short note on WWW server.   **(5+5+5)**

Unit – IV

8. a) What do you mean by denial of service ? Explain the measures to prevent it.

    b) What are the different types of network transaction security issues ?

    c) Explain 3G networks.   **(5+5+5)**

9. a) What is a firewall and how does it protect a site ? Name the different types of firewalls.

    b) Explain the conventional encryption model with a neat diagram.

    c) Explain the major impediments faced by the mobile commerce environment.
                                                                       (5+5+5)

_____