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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 **each** 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)

P.T.O.



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)**