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BCACAC 263

**Credit Based Fourth Semester B.C.A. Degree Examination, April/May 2017
(New Syllabus – Common to All Batches)
E-COMMERCE**

Time : 3 Hours

Max. Marks : 80

Note : Answer any ten questions from Part – A and one full question from each Unit of Part – B.

PART – A

1. a) Define electronic commerce.
- b) Differentiate B2B and B2C.
- c) Define business model.
- d) Define EDI.
- e) What is cipher text ?
- f) What are digital certificates ?
- g) What is FTP ? Why is it used ?
- h) What is a Probe ?
- i) What is an e-wallet ?
- j) What is sniffing ?
- k) What is cryptanalysis ?
- l) Define M-Commerce.

(10×2=20)

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PART – B

Unit – I

2. a) Explain B2B E-Commerce.
- b) Explain the different categories of Native Content Based Models with an example.
- c) What is a digital products merchant model ? Give an example. **(5+6+4)**
3. a) Explain the benefits of E-Commerce.
- b) Explain affiliate model with a diagram.
- c) Explain the working of metered service model. **(5+5+5)**

P.T.O.

**Unit – II**

4. a) Write a note on :
- i) Data Transport Layer
 - ii) Application/Conversion Layer.
- b) What is the role of online payment systems in e-commerce ?
- c) Explain WWW server. (6+5+4)
5. a) Write a note on value added networks.
- b) Explain the interaction of HTTP session with a diagram.
- c) Explain the benefits of EDI. (5+5+5)

Unit – III

6. a) Explain the following with diagram.
- i) Bus topology
 - ii) Star topology
- b) Why is the internet vulnerable to hackers ? Describe various sources of vulnerabilities.
- c) Explain the role of resolver in a DNS. (6+6+3)
7. a) Explain the working of a fiber optic cable.
- b) Explain the internet layer of the TCP/IP reference model.
- c) Write a note on 'denial of service'.
- d) List different types of firewalls. (5+5+3+2)

Unit – IV

8. a) What are the different issues of network transaction security ?
- b) Explain the PGP model email security with a neat diagram.
- c) Explain the different factors that are essential for new payment system. (5+5+5)
9. a) Explain the conventional encryption model with a neat diagram.
- b) Explain the working of e-cash payment system with a neat diagram.
- c) Write a note on 3G network. (5+5+5)
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