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Paper Id: 1 1 0 6 2 8 Roll No.

B. Tech.

(SEM. VI) EVEN SEMESTER THEORY EXAMINATION 2017-18

E-COMMERCE

Time: 3 Hours ***Total Marks: 100***

Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. Attempt *all* questions in brief. 2 x 10 = 20

a. What is E-commerce?
b. Differentiate E-commerce and E-business.
c. What is VRML?
d. What is virtual Internet payment system?
e. Give the uses of smart cards.
f. What is EDI envelope for message? Explain
g. What is the need of collaborative computing?
h. List out the salient features of ATM.
i. How proxy server is used in the network?
j. What do you mean by cryptography, encryption and decryption?

SECTION B

2. Attempt any *three* of the following: 10 x 3 = 30

a. Define E-commerce and various issues related to E-commerce. Compare E-commerce over traditional business and draw E-commerce architecture.

b. Write the objectives, benefits and application of wireless application protocol (WAP).

c. What is the importance of web security? Discuss the issues related to web security.

d. Describe the role of cryptography in E-commerce. Differentiate between symmetric and asymmetric encryption with a suitable example.

e. What is the low encryption attack on the RSA algorithm?

SECTION C

3. Attempt any *one* part of the following: 10 x 1 = 10

(a) Explain Electronic payment Systems and state the advantages and disadvantages in EPS.

(b) Distinguish between internet and extranet. Why a network infrastructure is required for a successful E-commerce application?

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4. **Attempt any *one* part of the following:** **10 x 1 = 10**

(a) Explain mobile commerce and its framework.

(b) What is the communication protocol used by internet? What is the advantage of using such a common standard protocol to interconnect computers?

5. **Attempt any *one* part of the following:** **10 x 1 = 10**

(a) What is digital signature? How is an e-document signed by a sender and sent to a receiver?

(b) What do you understand by VPN? How it maintain the confidentiality of resources from the existing physical network to a selected group of nodes within the same network?

6. **Attempt any *one* part of the following:** **10 x 1 = 10**

(a) Discuss the role of firewall, importance and factors considered in firewall design.

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(b) Write short notes on following-
i. Transaction Security
ii. Network Security

7. **Attempt any *one* part of the following:** **10 x 1 = 10**

(a) Explain secure electronic transaction (SET). What is the need for SET? What are the features does SET specify?

(b) Explain the following-
i. E-commerce Law
ii. Smart card and E-checks

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