

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?

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.
- (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