(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 2169   **Roll No.** [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ]

B.Tech.

(SEM. V) ODD SEMESTER THEORY EXAMINATION 2012-13

E-COMMERCE

Time : 3 Hours   *Total Marks : 100*

Note :— Attempt **all** questions. All questions carry equal marks.

1. Attempt any **two** of the following :   **(10×2=20)**

    (a) (i)   What do you mean by E-Commerce ? What are its advantages and disadvantages ?

         (ii) What are the various types of E-Commerce models ? Explain any one of them.

    (b) (i)   How can E-commerce facilitate customization of products and services ?

         (ii) Why is it said that E-commerce is a catalyst of fundamental changes in organizations ?

    (c) Describe the essential processes for successful operation and management of E-Commerce in detail.

2. Attempt any **two** of the following :   **(10×2=20)**

    (a) Describe Intranet, Extranet and Internet. Explain how are these helpful for an enterprise.

(b) (i) Write brief notes about ATM and ISDN.

(ii) Explain WAP and Satellite Communication.

(c) What do you mean by mobile commerce ? Discuss its various components and applications.

3. Attempt any **two** of the following : (10×2=20)

(a) Define firewall and its types. Discuss various factors for designing of Firewall.

(b) Discuss various network security issues in detail.

(c) Write short notes on the following :

(i) Security Threats

(ii) Limitation of Firewall.

4. Attempt any **two** of the following : (10×2=20)

(a) Differentiate between substitution and transposition based encryption with example.

(b) (i) Explain the steps required for RSA algorithm with suitable example.

(ii) Write a short note on VPN.

(c) Define public key digital signature and triple encryption with example.

5. Attempt any **two** of the following : (10×2=20)

(a) What is digital cash ? What are the steps involved in e-cash transaction ? What properties it should have for successful transaction ?

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(b) Define Smart Card. Write the difference between Smart card and Credit card. Write the steps required for online payment through credit card.

(c) Write brief notes on any **two** :

(i) Secure Socket Layer

(ii) EDI Application in Business

(iii) E-Commerce 3 law.