

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

PAPER ID : 1307

Roll No.

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**B. Tech.**

(SEM. V) ODD SEMESTER THEORY

EXAMINATION 2010-11

**E-COMMERCE**

Time : 3 Hours

Total Marks : 100

Note :—Attempt all questions.

1. Attempt any **four** parts of the following :— (5×4=20)
  - (a) Discuss the significant issues that are required to implement e-commerce in organizations.
  - (b) Differentiate between long distance networks and satellite networks.
  - (c) Name and explain the different types of ISDN channels.
  - (d) What are the key differences between B2B and B2C e-commerce transactions ?
  - (e) What is meant by I-way ? Discuss its importance in e-commerce.
  - (f) What do you understand by architectural framework for e-commerce ? Explain the various services that form the architectural framework.
2. Attempt any **four** parts of the following :— (5×4=20)
  - (a) Differentiate between the wireless and mobile computing.
  - (b) What do you mean by mobile information access devices ? Name any three such devices and write down few lines for each.

- (c) Explain the followings :
- (i) CDMA technology.
  - (ii) WAP technology.
- (d) Distinguish between FTP and Telnet.
- (e) Differentiate between the packet filtering (network level) firewalls and proxy server (Application level) firewalls.
- (f) What is a client server network ? What may be the security threats to it and what protection methods are used to reduce these security threats ?

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

- (a) What is VPN ? What are the important issues related to the VPN deployment ? Also differentiate between the secure VPNs and trusted VPNs.
- (b) Explain the use of cryptography in e-commerce. How does digital signature work ?
- (c) Answer the following questions :
  - (i) Write down the various WWW based security schemes and explain them.
  - (ii) What is DES ? How much stronger is 128-bit key than 64 or 56-bit DES key ?
  - (iii) What is RSA ?

4. Attempt any **four** parts of the following :— (5×4=20)

- (a) Write down the factors that must be addressed before any payment method can be successful.
- (b) Write down the different types of electronic token and explain them in short.

- (c) Is e-cash preferable to ordinary cash ? Why or why not ?
- (d) What is smart-card ? List some functions that smart card can provide.
- (e) What is a debit card ? How it differs with credit card ?
- (f) Write a short note on Home banking.

5. Write short notes on any **two** of the following :--

**(10×2=20)**

- (a) EDI
- (b) Legal requirements in e-commerce
- (c) CRM.