



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

PAPER ID : 1304

Roll No.

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B.Tech.

SEVENTH SEMESTER EXAMINATION, 2004-2005

E-COMMERCE

Time : 3 Hours

Total Marks : 100

Note : Attempt **ALL** questions.

1. Attempt *any two* parts of the following : (10x2=20)

- (a) Describe Intra organizational Commerce and its applications in the area of Business to Employee (B2E) services.
- (b) What is the likely impact of electronic commerce on economic structures like Manufacturers, dealers and consumers ?
- (c) Define B2B e-commerce and illustrate the advantages offered by B2B e-commerce to existing businesses.

2. Attempt *any two* parts of the following : (10x2=20)

- (a) What do you understand by protocol and briefly describe the role of TCP/IP in Internet ?
- (b) Describe the Radio-based Local Area Networks and their limitations.

- (c) What is a Domain Name System ? Show that it is an example of global distributed information management system.

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

- (a) Why are the machines on Internet vulnerable to hackers ? Describe various sources of vulnerabilities.
- (b) Describe Application-level proxy firewall.
- (c) Describe important factors in arriving at an appropriate firewall configuration.
- (d) What is meant by Integrity of a message ? Describe a technique to ensure integrity of an email message.
- (e) What are important issues related to key distribution and management in symmetric key cryptosystems ?
- (f) What is a public key cryptosystem ? How can it be used for providing authentication in e-commerce

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

- (a) Discuss the basic requirements of an online payment system.
- (b) What is a digital token based electronic payment system, Illustrate with an example ?
- (c) What do you understand by micro payments ? What are special considerations involved in design of online micro payment systems ?

- (d) Describe and differentiate among Credit card and Debit card based payment systems.
- (e) What do you understand by online banking also write the advantages and limitations ?
- (f) Describe an online credit card payment transaction in electronic commerce environment.

5. Attempt *any two* parts of the following : (10x2=20)

- (a) Describe impact of the network based e-commerce transactions on the traditional supply chain management.
- (b) Describe the likely impact of e-commerce on consumers, businesses, industries and inter-relationship amongst them.
- (c) What is the role of certification authorities in e-commerce environment ? How can two parties enter a non-repudiable legal contract in electronic commerce environment ?