

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

**PAPER ID : 1307**Roll No. 

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**B.Tech.**

FIFTH SEMESTER EXAMINATION, 2006-07

**E-COMMERCE**

Time : 3 Hours

Total Marks : 100

- Note :** (i) Attempt **ALL** questions. All parts of a question should be attempted at single contiguous place.
- (ii) All questions carry equal marks.
- (iii) In case of numerical problems assume data wherever not provided.
- (iv) Be precise in your answer.

1. Attempt **any four** parts of the following : (5x4=20)
- (a) What is intra organisational E-commerce and what are its potential benefits ?
- (b) Which type of transactions come under the category of C2B e-commerce ?
- (c) "E-commerce is the buying and selling of information, products and services via computer networks". Does this definition include all aspects that you would consider as part of E-commerce ? Of why or why not ?
- (d) What is supplier-centric B2B e-commerce.
- (e) Discuss the role of I-way in development of E-commerce.
- (f) What are Intranet and Extranet ? What are their potential advantages ?

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2. Attempt *any four* parts of the following : (5x4=20)

- (a) Why is the internet vulnerable to hackers ? Describe various attack types web-server is prone to ?
- (b) What are threats posed by a DNS spoofing attack ?
- (c) Compare the stateful inspection firewall with the application level proxy firewall.
- (d) Discuss the main features of WAP Technology.
- (e) How does AMPS differ from GSM ?
- (f) Compare and contrast the concepts of universal personal telecommunications and universal communications access.

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

- (a) Compare Secure Socket Layer (SSL) and Secure Electronic Transaction (SET) protocols.

Why Payment Cards (debit, credit and charge cards) are much more popular for online payments than e-cash and e-wallets.

- (b) Propose a Security Model for an E-Banking Application.
- (c) What is Public Key Infrastructure ? Describe the role of the certification authority and registration authority.

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

- (a) Describe the functioning of a fully integrated EDI system. What are its benefits over a Non-EDI based system ?
- (b) What are the major components of supply-chain management ? How E-commerce can be helpful in each of them ?
- (c) Discuss various types of E-payment systems and their comparative advantages and disadvantages.

5. Write short notes on *any four* : (5x4=20)

- (a) Emerging Financial Instruments.
- (b) Virtual Private Networks (VPN).
- (c) CDMA technology.
- (d) Broad Band Telecommunications.
- (e) Role of multimedia in development of E-commerce.
- (f) Digital Signature.

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