

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

PAPER ID : 2169

Roll No.

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B. Tech.

(SEM.V) THEORY EXAMINATION 2011-12

E-COMMERCE

Time : 3 Hours

Total Marks : 100

Note :- Attempt **all** questions.

1. Attempt any **two** parts of the following : **(10×2=20)**
 - (a) Define e-commerce. What are the different types of e-commerce model ? Discuss with examples.
 - (b) Discuss the advantages and disadvantage of e-commerce.
 - (c) Explain the following :
 - (i) TCP/IP
 - (ii) Routers and Hub
 - (iii) HTML
 - (iv) ATM.
2. Attempt any **two** parts of the following : **(10×2=20)**
 - (a) Distinguish between intranet and extranet. Why a network infrastructure is required for successful e-commerce applications ?

- (b) Discuss the layered architecture of Wireless Application Protocol. Why is a layered architecture used ? Explain.
- (c) Define m-commerce. What are the relative advantages of m-commerce over e-commerce ? Also discuss the applications of m-commerce.

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

- (a) What do you understand by Client Server Network ? What may be possible security threats to it ? Discuss.
- (b) (i) What is a firewall ? Where is it used ? Discuss the limitations of firewall.
- (ii) Explain the working of packet filtering firewall.
- (c) Distinguish between confidentiality, authenticity and non-repudiation of messages sent between a customer and an organization in e-commerce.

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

- (a) Describe the Data Encryption Standard (DES) briefly giving the various steps it uses for encryption.
- (b) Explain RSA algorithm. Illustrate how the encryption and decryption works.

- (c) What is a digital signature ? What are the requirements that a digital signature must satisfy ? Explain.

5. Write short notes on any **two** : **(10×2=20)**

- (a) . The SET protocol
- (b) E-Commerce Law
- (c) EDI Application in business.