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TIT-501

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

PAPER ID : 1307Roll No. **B. Tech.****(SEM. V) EXAMINATION, 2007-08****E-COMMERCE***Time : 3 Hours]**[Total Marks : 100*

Note : Attempt all questions. All parts of a question should be written at single contiguous place.

1 Attempt any four of the following : 5×4=20

- (a) What are the benefits of E-commerce? Also write down the limitations of E-commerce.
- (b) What are internet, intranet and extranet? List advantages a company can derive from using each of the three.
- (c) Discuss the role of communication technologies in development of e-commerce? What is 'the last mile' in communication technology term?
- (d) How e-commerce influences the elements of a market?
- (e) What is B2B e-commerce? Who are the players involved in it?
- (f) What is the role of certification authority in E-commerce framework?

- 2 Attempt any **four** of the following : **5×4=20**
- (a) Characterize the three generations of mobile telephony.
 - (b) What are some ways of achieving frequency reuse in wireless communication?
 - (c) Describe what a denial of service attack is and how it affects e-commerce. How it can be prevented?
 - (d) What are major threats posed by a sniffing attack?
 - (e) Discuss the advantages of using a proxy server.
 - (f) What is meant by DMZ? What are its advantages and disadvantages?
- 3 Attempt any **two** of the following : **10×2=20**
- (a) What are major issues in e-mail security? What are various schemes that are used to ensure the privacy of e-mails ?
 - (b) What is a digital certificate? Describe the commonly used standards for digital certificate.
 - (c) Universal access, regulation and information privacy are three major issues that are shaping the I-way. Discuss the positive and negative aspects of these issues. What do you see as the future of the Internet in these areas?
- 4 Attempt any **two** of the following : **2×10=20**
- (a) Discuss the role of EDI in B2B e-commerce. How can Internet-EDI affect the balance of power in businesses?

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- (b) Extranets are designed to allow companies to share data among themselves. How can a firm share data over their Extranet and the Internet and still restrict access to hackers?
- (c) Explain how a hybrid approach using both DES symmetric keys and RSA public-private key pairs works?

5 Write short notes on any **four** : 4×5=20

- (a) Digital signature
 - (b) Transaction security in E-commerce
 - (c) Market forces behind I-way
 - (d) WAP technology
 - (e) E-Wallets
 - (f) E-Advertising.
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