MCA
(SEM. IV) EXAMINATION, 2006-07
FOUNDATION OF E-COMMERCE

Time : 3 Hours] [Total Marks : 100

Note : Attempt all questions.

1. Attempt any two parts of the following :
   (a) Define e-commerce and describe how it differs from e-business. What are the limitations of E-commerce?
   (b) Identify the unique features of e-commerce technology and their business significance.
   (c) What are the steps required to transform business to e-business? How can electronic commerce help to reduce the production cycle time?

2. Attempt any two parts of the following :
   (a) Explain how the WAP protocol is structured and how the different WAP layers map into internet protocol layers.
   (b) Discuss the mobile computing applications in details.
   (c) How can information from the internet be accessed using a WAP device? Discuss in detail the functionality of a WAP gateway.

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3. Attempt any **four** parts of the following:
   (a) Discuss why new and improved security measures are not enough to stop online crime.
   (b) Why are some online merchants hesitant to ship to international addresses? What are some of the risks of doing so?
   (c) Describe the key dimensions of e-commerce security.
   (d) Identify the major points of vulnerability in a typical online transaction.
   (e) How does spoofing threaten a web site’s operations?
   (f) What are the components of firewall? What are its limitations?

4. Attempt any **two** parts of the following:
   (a) Explain how symmetric encryption works. What are the dimensions of e-commerce security not addressed by symmetric encryption?
   (b) Describe the working of public key cryptography? How does the addition of a digital signature change the process?
   (c) Discuss the features of IPSec protocol useful for setting the virtual private networks. What are the advantages of setting virtual private networks?

5. Attempt any **four** parts of the following:
   (a) What are the current limitations of online credit card payment systems?
(b) Explain how SET protocol functions. What are the differences between the SSL protocol and the SET protocol?

(c) How are client-based and server based digital wallets different? Why have server based digital wallets been more successful at being adopted?

(d) How is money transferred in transactions using wireless devices?

(e) What are the benefits offered by electronic banking? List the services cannot be performed by electronic banking.

(f) Define cyber squatting. How is it different from cyber piracy? What type of intellectual property violation does cyber squatting entail?