



Printed Pages : 3

MCA – 405

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

**PAPER ID : 1480**

Roll No.

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## 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?
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