



Printed Pages : 3

MCA – 245

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

PAPER ID : 1462

Roll No.

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M. C. A.

(SEM. II) EXAMINATION, 2006-07

FUNDAMENTAL OF E-COMMERCE

Time : 3 Hours]

[Total Marks : 100

- Note :**
- (1) Attempt **all** questions.
 - (2) All questions carry **equal** marks

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

- (a) Why is e-commerce important in present pursuit of business? How does it function?
- (b) Describe different types of e-business and explain various environmental elements of a business firm.
- (c) What are the market forces behind I-way? Describe different components of I-way.
- (d) Differentiate between narrowband and broadband networks. Describe the use of broadband networks in e-commerce.
- (e) Explain B to B and B to C, E-commerce with suitable examples.
- (f) What are the differences among Intranet, Internet and Extranet?

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- 2** Attempt any **four** parts of the following : **5×4=20**
- (a) What do you mean by WAP? Explain WAP architecture with diagram.
 - (b) What do you understand by Mobile Information Devices (MID)? Write minimal characteristics of MIDs.
 - (c) Explain different types of firewalls with example and also write some limitations of firewall.
 - (d) What do you mean by Mobile computing? Explain how mobile computing can be used to improve business.
 - (e) What do you mean by public key Encryption? Write RSA algorithm for public key encryption.
 - (f) Explain SSL (Secure Socket Layer) in brief.
- 3** Attempt any **two** parts of the following : **10×2=20**
- (a) Client-Server model is the backbone to the E-commerce applications. Are there any security threats to it? If any, discuss.
 - (b) Discuss how the electronic commerce framework is being built on World Wide Web (WWW) architecture.
 - (c) Write short notes on :
 - (i) Virtual Private Networks (VPN)
 - (ii) Secure Electronic Payment Protocol (SEPP)
- 4** Attempt any **two** parts of the following : **10×2=20**
- (a) Define electronic payment system. Discuss various activities which take place in the digital token-based electronic payment system.

- (b) What are the salient features of smart card? What is money smart? Differentiate between smart card and credit card.
- (c) Discuss, in detail, the major risk incurred due to the electronic payment system with suitable example.

5 Attempt any **two** parts of the following : **10×2=20**

- (a) What do you mean by Electronic Data Interchange (EDI)? What are the main elements of EDI?
 - (b) What do you mean by Supply Chain Management? How is the supply chain management related to E-commerce?
 - (c) What do you mean by Customer Relationship Management? How can organizations achieve CRM?
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