Printed Pages : 3

MCA413

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

PAPER ID : 214420

Roll No.

M. C. A.

(SEM. IV) THEORY EXAMINATION, 2014-15
FUNDAMENTAL OF E-COMMERCE

Time : **3** Hours]   [Total Marks : **100**

Note : (1) Attempt all question.

(2) All question carry equal marks.

1   Attempt any four question :   5×4=20

(a)   Discuss how the advancements in technology have benefitted e-commerce.

(b)   Explain the difference types of e-commerce models. Support your answer with suitable examples.

(c)   Explain the following :

(i)   TCP/IP

(ii)   Routers

(iii)   Hub

(iv)   ATM.

(d) Explain client server architecture of e-commerce.

(e) Explain the six layers of services in the architectural network of e-commerce.

(f) Explain Merchantile's model from the Merchant's perceptive.

2 Attempt any four question : 10×2=20

(a) What are the communication protocols used by Internet ? What is the advantage of using a common standard protocol for interconnecting computers ?

(b) Discuss in brief WAP technology. Describe the model of internet based mobile computing.

(c) What is m-commerce ? Discuss the advantages of using m-commerce over e-commerce. Highlight the applications of m-commerce.

3 Attempt any two question : 10×2=20

(a) What are possible security threats in Client Server Network ? Discuss them.

(b) What is firewall ? How does it protect a site ? Describe the components and types of firewall in detail.

(c) Write short note on following :

(i) Network security

(ii) Transaction security.

4   Attempt any two question :   10×2=20

    (a)   Describe Data Encryption Standard and the details of the steps involved in DES.

    (b)   (i)   Explain the step required RSA algorithm with suitable example.

         (ii)   Write short note on VPN.

    (c)   Discuss the following terms :

         (i)   Triple Encryption

         (ii)   Digital Public-Key Certificates

         (iii)   Sniffer

         (iv)   Message intigrity.

5   Write short note any two of the following :   10×2=20

    (a)   What are smart cards ? Discuss the various types of smart card. Explain the advantage of using smart card instead of credit card.

    (b)   What is digital cash ? What are the steps involved in e-cash transaction ? What properties it should have for successful transaction ?

    (c)   Write short notes on any two :

         (i)   SET protocol

         (ii)   E commerce law

         (iii)   EDI application in business.

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