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

PAPER ID : 1456    Roll No. `0 9 2 9 0 1 4 0 1 6`

# M.C.A.

## (SEM. IV) THEORY EXAMINATION 2010-11

## FUNDAMENTALS OF E-COMMERCE

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

### MCA405

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

PAPER ID : 1480    Roll No. [          ]

## (SEM. IV) THEORY EXAMINATION 2010-11

## FOUNDATION OF E-COMMERCE

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

Note :—(1)  Attempt ALL questions.

(2)  All questions carry equal marks.

1.  Attempt any **two** parts of the following :        **(10×2=20)**

(a)  (i)   Define E-Commerce. Also discuss the importance of E-Commerce.

(ii)  Explain B2C E-Commerce with an appropriate example.

(b)  Define and explain the difference between intranet and extranet. Explain how they provide value to e-business ? Discuss.

(c) Explain the following in brief :

    (i)   ATM (Asynchronous Transmission Mode)

    (ii)  ISDN (Integrated Services Digital Network).

2. Attempt any **two** parts of the following :     (10×2=20)

  (a)  What do you mean by m-commerce ? Discuss the importance of m-commerce in todays business environment.

  (b)  (i)  What is WAP ? Why is WAP required in mobile phone system ?

        (ii)  Discuss about WAP gateway. Why is it required ? Also discuss its functions.

  (c)  Write short notes on :

      (a)  Mobile Computing

      (b)  GPRS.

3. Attempt any **two** parts of the following :     (10×2=20)

  (a)  (i)  Explain Firewall. Where is it used ? Why is it necessary ?

        (ii)  Discuss the working of packet filtering fire wall.

  (b)  Discuss the various factors that may be considered in firewall design.

  (c)  What do you understand by client/server computing ? Discuss the various ways to improve the performance of client server computing.

4. Attempt any **two** parts of the following :     (10×2=20)

  (a)  Describe the Digital Encryption standard algorithm briefly giving the various steps it uses for encryption. Is it considered seure ? If no, then give the reasons.

  (b)  Explain how Diffie-Hellman key exchange algorithm can be used by a customer and vendor for secure e-commerce transaction.

  (c)  What is a digital signature ? How is an e-document signed by a sender and sent to a receiver ? Discuss.

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

  (a)  What do you understand by on-line banking ? Discuss the merits and demerits of online banking.

  (b)  What is EDI ? How does EDI work ? Also discuss the benefits of EDI.

  (c)  (i)  Why are e-commerce law required ? Discuss.

        (ii)  What is a credit card ? How are the credit card transactions carried out ? Discuss.