

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

PAPER ID : 1456

Roll No.

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M.C.A.

(SEMESTER-IV) THEORY EXAMINATION, 2011-12

FUNDAMENTALS OF E-COMMERCE

Time : 3 Hours]

[Total Marks : 100

Note : Attempt **all** sections.

Section – A

1. Attempt **all** parts. **10 × 2 = 20**
- Give any four reasons for increasing the popularity of E-Commerce.
 - Write any five benefits of E-Commerce.
 - Explain the difference between mobile commerce and E-commerce.
 - Discuss CDPD (Cellular Digital Packet Data) network reliability in mobile commerce.
 - Explain any five benefits of client server technology.
 - What is data diddling and data destruction ?
 - How public key encryption is better than secret key encryption ? Give four reasons.
 - Explain the working of secure socket layer (SSL) protocol.
 - Explain smart card as internet payment method.
 - What are designer and users liabilities for E-Commerce legal issues ?

Section – B

2. Attempt any **three** parts. **3 × 10 = 30**
- Describe the architectural framework of e-commerce. What are the applications of this ?
 - What is mobile computing ? And explain the applications of mobile computing.
 - What do you mean by client – server network security ? Also explain the client server network security problems.
 - Explain public key cryptography and write the RSA algorithm.
 - What is SET (Secure Electronic transaction) protocol ? Explain the mechanics of SET.

Section – C

Attempt **all** questions.

3. Attempt any **two** parts. 2 × 5 = 10
- (a) Draw the layer diagram of TCP/IP protocol suit and explain it briefly.
 - (b) What do you know about broadband system ? Explain different types of broadband.
 - (c) Explain frame relay standardization and devices.
4. Attempt any **one** parts. 1 × 10 = 10
- (a) What is TDMA and what technology is used in TDMA ? List the various benefits of TDMA over CDMA.
 - (b) Discuss cellular communication. What is “Hand Off” situation in cellular communication and what is the solution to it ?
5. Attempt any **one** part. 1 × 10 = 10
- (a) How we can ensure a safe and secure e-commerce implementation through internet ?
 - (b) What do you know about firewall ? Explain all three types of firewalls.
6. Attempt any **two** parts. 2 × 5 = 10
- (a) How DES (Data Encryption Standards’)important for business transactions ? Write algorithm for DES.
 - (b) What is digital certificate ? Explain the use of digital certificate in e-commerce.
 - (c) Explain the security mechanisms used in VPN and explain the tunnelling basics for VPN.
7. Attempt any **one** part. 1 × 10
- (a) What is EDI ? How EDI applications used in business ?
 - (b) Explain different EPS (Electronic Payment System) in brief.
 - (i) Electronic checks
 - (ii) Credit card
 - (iii) Debit card
 - (iv) Digi Cash (E-Cash)
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