

MCA (DUAL DEGREE)
(SEM IV) THEORY EXAMINATION 2018-19
FUNDAMENTALS OF E-COMMERCE

Time: 3 Hours

Total Marks: 100

Note 1. Attempt all questions equally and give answers in a neat and orderly manner.

SECTION A

1. **Attempt all questions briefly.** **2 x 10 = 20**
- a. Define Encryption.
 - b. What are the types of E-Commerce?
 - c. Define Electronic Data Interchange.
 - d. Write down the strategies of internet.
 - e. What are the E-Commerce Security Threats?
 - f. Define Secure Electronic Transaction (SET).
 - g. Define Ciphertext.
 - h. Explain the significance of Cryptography.
 - i. What is network security protocol for E-Commerce?
 - j. Define government policies and agenda in E-commerce.

SECTION B

2. **Attempt any three of the following:** **10 x 3 = 30**
- a. What is a Domain Name System? Show that it is an example of global distributed information management system.
 - b. What is difference between SMTP and HTTP? Describe salient feature of Hypertext Transfer protocol.
 - c. Define and explain the difference between intranet and extranet. Explain how they provide value to e-business? Discuss.
 - d. Describe a technique used for the non-repudiation of an e-commerce transaction.
 - e. Define E-commerce. Also discuss the importance of E-commerce. Explain B2C with an example.

SECTION C

3. **Attempt any one part of the following:** **10 x 1 = 10**
- (a) Define M-Commerce? Discuss the importance of m-commerce in today business environment.
 - (b) Explain the commercial transaction process in E-Commerce.
4. **Attempt any one part of the following:** **10 x 1 = 10**
- (a) What is Wireless Application Protocol? Why WAP required in mobile phone system? Also explain WAP gateway.
 - (b) Trace out the growth of e-commerce in India over the recent years.
5. **Attempt any one part of the following:** **10 x 1 = 10**
- (a) What do you mean by symmetric key encryption works? What are the dimensions of e-commerce security not addressed by symmetric encryption?
 - (b) How are client-based and server based digital wallets different? Why have server based digital wallets been more successful at being adopted?
6. **Attempt any one part of the following:** **10 x 1 = 10**
- (a) Describe the working of public key cryptography? How does the addition of digital signature change the process?
 - (b) Discuss the feature of IPSec protocol useful of setting the virtual networks. What are the advantages of setting virtual private networks?
7. **Attempt any one part of the following:** **10 x 1 = 10**
- (a) Differentiate between electronic cheque payment and credit card payment in e-commerce.
 - (b) What are the benefits offered by electronic banking? List the services cannot performed by electronic banking.