Printed Pages:2 **Sub Code: NBC403**

Paper Id: 294209 **Roll No.**

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

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

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. Attempt *all* questions in brief. 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 Threads?
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 distrusted 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.

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