BT-6/M-22   46221
E-COMMERCE
OE-IT-306-A

Time : Three Hours]   [Maximum Marks : 75

Note : Attempt *Five* questions in all, selecting at least *one* question from each Section. All questions carry equal marks.

Section A

1. (a) Explain the various categories of e-commerce. Define the role of e-Commerce in business, service, learning and community.   6+4

    (b) Explain the e-Commerce framework and its application.   5

2. (a) Explain the system architecture of e-Commerce by looking at it as a set of layers with the physical network at the bottom layer and applications at the top layer.   10

    (b) Explain C2C e-Commerce with an appropriate example.   5

Section B

3. (a) What are two major EDI standards used in e-Commerce ? Which is the standard accepted for Government transactions in India ? 4+4

(b) Explain B2B e-Commerce using an example of a book distributor who stocks a large number of books, which he distributes via a large network of book sellers. Assume that the distributor has stocks of books of a large number of publishers and book seller's order books as and when their stock is low. Distributors give 1 month's time to booksellers for payment. 7

4. (a) What are the main characteristics of internet-based EDI ? 5

(b) Explain with labelled diagram about secure electronic transaction protocol. 10

Section C

5. (a) How preserving confidentiality and integrity ensures security in e-Commerce ? Discuss various mechanism used to ensure data and message security in e-Commerce systems. 5+5

(b) What is Cryptography ? How cryptography can be used to ensure data and message transaction in e-Commerce ? 2+3

6. (a) What does the properties like ubiquitous, richness and information density in e-Commerce means ? Support your answer with example. 8

(b) How WWW architecture encompasses the global hypertext publishing, universal reader and client-server concepts ? 7

Section D

7. (a) What is digital wallet ? How can it be used in e-Commerce ? What issues need to be considered while designing electronic payment system ? 5+5

(b) How does e-cash work ? List the properties that an e-cash should have ? 5

8. Why is a different payment system needed for small payment for internet services ? Explain how one such system functions. How does the system make sure that payment is made only after information for which payment has been made is actually delivered to the customer ?

3+5+7