UL(8) — E-Comm &
Sec.

2015

Time : 3 hours

Full Marks : 70

Candidates are required to give their answers in their own words as far as practicable.

The questions are of equal value.

Answer any **five** questions.

1. (a) Discuss the various challenges of E-Commerce.

    (b) What is Asymmetric Cryptosystems ? What are its advantages and disadvantages ?

2. (a) Discuss, in detail, about legal issues for Internet Commerce.

    (b) What is an electronic payment system ? What are its types and advantages ?

NQ – 5/1

3. (a) What is EDI (Electronic Data Interchange)? Explain the benefits and drawbacks EDI process. Also explain different EDI components and EDI services.

(b) Explain the features and utilities available in ASP and SQL, which makes it suitable for developing e-commerce applications.

4. (a) What are the steps involved in authentication? What is the role of third party and certifying authorities?

(b) What are the four types of consumer oriented applications of E-commerce? Discuss them briefly.

5. (a) Write a note on credit-card fraud and how to minimize the fraud.

(b) Explain essential things that e-commerce sites should have.

6. (a) Discuss the security and privacy issues relating to electronic cash.

(b) Explain the role of Electronic Data Interchange (EDI) with respect to online order processing.

7. (a) Explain the role of Digital Signature in e-commerce.

(b) How and to what extent the role of customers' trust plays in the success of e-commerce business?

8. Write short notes on any **two** of the following :

(a) Digital Currency

(b) RSA

(c) Virtual Auctions

————— ✳ —————

2016

Time : 3 hours

Full Marks : 70

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Answer any five questions.

1. Explain the process of accessing E-commerce and EDI. Discuss their advantages and disadvantages. What are the applications of smart cards ?   14

2. Explain the following models of E-commerce :

    (a) B 2 B

    (b) B 2 C
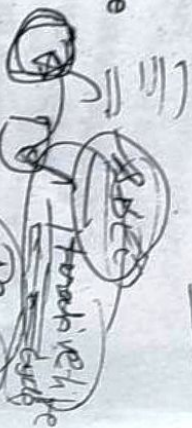
    (c) C 2 B

    (d) C 2 C

    (e) G 2 C   14

FW – 11/1   (Turn over)

3. Explain the following threats regarding e-commerce message communication :

(a) Information Interception

(b) Alteration and Spoofing

(c) Jamming

(d) Denial of Service

(e) Hackers

4. Describe the working principles of Asymmetric and Symmetric cryptography using an example for each. 14

5. Differentiate among the following pair of terms :

(a) E-commerce and traditional commerce. 5

(b) Confidentiality and integrity. 5

(c) Paper document and electronic document. 5

6. (a) What is Online Payment System ? Explain. 4

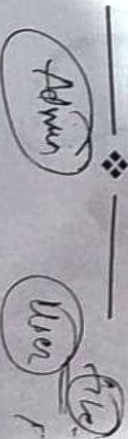(b) How smart cards and credit cards have roles in e-commerce applications ? Explain. 5

(c) What is EDI envelope for messages ? Explain. 5

7. Define Online Contract. State essentials of a valid contract. Discuss the rules which determine the technical jurisdiction of a court. Also discuss the law relating to instantaneous communications.

8. Write short notes on the following :

(a) Hardware requirements of E-commerce. 5

(b) Standards (UN / EDIFACT) 4

(c) Gambling on the net. 5

_____ ❖ _____

4

UL(8)—E—Comm.
& Sec.

VIII few.

CSE   **2017(A)**

Time : 3 hours   June-17

Full Marks : 70

Candidates are required to give their answers in their own words as far as practicable.

The questions are of equal value.

Answer any five questions.

1. (a) What is difference between E-commerce and E-business ? What is architectural framework of E-commerce ? Explain in detail.

   (b) What is the need of E-commerce in the present scenario ? Explain its advantages and disadvantages.

2. (a) What is electronic commerce and how does it differ from tranditional commerce ? List few electronic commerce applications and explain it.

AN – 6/2   (Turn over)

   (b) What do you understand by business to consumer electronic commerce ? Use suitable example to explain it.

8. Write short notes on any **four** of the following :

   (a) EDI application in business

   (b) Online share dealing

   (c) E-diversity

   (d) Authentication of electronic document

   (e) Protocols for securing messaging

   (f) Legal issues for internet commerce

   —————— ❖ ——————

AN – 6/2 (1,200)   (4)   UL(8)—E—Comm.
& Sec.

(b) Explain the typical conventional method of trading process between two organizations. Explain how EDI has changes the traditional method of exchange of business documents between any two trading partners.

3. (a) Explain advantages, disadvantages, security threats and features of an E-commerce system with suitable example.

(b) What is digital signature ? How is an e-document signed by a sender and sent to a receiver ? How does the recipient of a signed e-document authenticate the signature ?

4. (a) What do you mean by online banking ? What are their advantages over traditional banking ? What services are usually provided by online banking ? Is online banking is secure ? Justify the statement.

(b) Describe the role of cryptography in E-commerce. Differentiate between symmetric and asymmetric encryption techique with a suitable example.

5. (a) Explain SET protocol used in credit card transaction. What is the main interesting aspect of SET protocol which gives confidence of customers transacting business using Internet.

(b) Discuss, in brief, the security issues on the web. What are the various network security threats and their remedies ? Discuss.

6. (a) What are the main difference between DES based encryption and RSA based encryption techniques ? Is it possible to combine these two systems ? If so, explain how ?

(b) Discuss in detail, the various risks associated with paper document and electronic document. Explain how an electronic document can be authenicated.

7. (a) Give the timeline history of E-commerce development. What is inter-organizational and intra-organization E-commerce ? Describe the client architecture of E-commerce.

2018(A)

Time : 3 hours

Full Marks : 70

Candidates are required to give their answers in their own words as far as practicable.

The questions are of equal value.

Answer any *five* questions.

1. (a) Discuss the Customer Relationship Management Strategy to acquisition and retention of the customer worldwide for an e-commerce site based on B-C model.

   (b) Describe European Article Number Coding System for EDI message.

2. (a) What is e-commerce ? Give advantages and disadvantages of internet for e-commerce.

   (b) Elaborate the payment process from debit card and credit card.

7

3. (a) What are smart cards ? Why they are required ? Discuss.

(b) What is digital signature ? Explain its process of working in detail.

4. (a) Mention difference between paper document and electronic document.

(b) What is 'fungibility' in context of online game currency ? Give benefits and drawbacks of making an online game currency fungible.

5. (a) What are different ways through which trust and confidence is established among customers in e-commerce ?

(b) Discuss RSA with computations for public key cryptography. Also perform the encryption and decryption for $p = 7$, $q = 11$, $e = 17$ and $m = 8$.

6. What is SET ? Explain how E-Banking uses SET with suitable block diagrams in terms of cardholders purchase request and verification by the merchants.

7. (a) Explain various threats involved in client-server communications. How are they detected in EC business ?

(b) What are different hardware and software required for e-commerce ? Explain.

8. Write short notes on the following :

(a) E-newspaper

(b) E-cash

——— ※ ———

2019 (A)

Full Marks : 70

Time : 3 hours

Answer any five questions.

The questions are of equal value.

Candidates are required to give their answers in their own words as far as practicable.

1. (a) What do you mean by E-commerce ? Explain Data Interchange and Internet Commerce in detail.

   (b) Discuss scope of E-commerce and Trade cycle in detail.

2. (a) Explain different kinds of Standards of E-commerce and discuss inter organizational E-commerce.

   (b) Write short notes on :

   (i) EDI

   (ii) Electronic market.

(*Turn Over*)

3. What do you mean by Risk ? Explain the difference between a paper document and Electronic document in detail.

4. (a) Discuss legal issues for internet commerce and jurisdiction issues in detail.

(b) What do you mean by Security ? Discuss

5. (a) Explain Digital signature and SET in detail.

(b) Discuss Electronic cash over the internet and its authentication in detail.

6. (a) Discuss various elements of E-commerce with VB, ASP and SQL in detail.

(b) Explain Electronic newspapers in detail and discuss differences between print news-papers and Electronic newspapers.

7. (a) Explain enforceable online contract in detail.

(b) Discuss hardware requirements E-commerce in detail.

8. (a) Explain Gambling and E-diversity in detail.

(b) Discuss at least one case study through the internet on E-Business.

————