Tribhuvan University
Institute of Science and Technology
2068(I)

Bachelor Level/ Third Year/ Sixth Semester/ Science   Full Marks: 60
Computer Science and Information Technology   Pass Marks: 24
(CSC- 356 – Fundamentals of E-commerce)   Time: 3 hours.

Candidates are required to give their answers in their own words as for as practicable.
The figures in the margin indicate full marks.

Attempt all questions.
Section A [3x10=30]

1. Explain the various categories of e-commerce. Define the role of e-commerce in business, service, learning and community.
2. Explain the B2B commerce and its advantages and disadvantages.
3. Explain the various features and advantages of electronic payments system. What are the problems in implementation? Explain.

Section B [6x5=30]

4. Compare between traditional and electronic commerce.
5. Explain the components of the Information superhighway infrastructure.
6. Define the firewall and its types.
7. Explain the Mercantile process models from Merchant's perspective.
8. Explain the cryptography and its types.
9. Write shorts notes on (any two):

   (a) Digital signature

   (b) Secure socket layer

   (c) EDI

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<u>2068 (II)</u>

Bachelor Level /Third Year/Six Semester/Science   Full Mark: 60
Computer Science and Information Technology–(CSc.356)   Pass Mark: 24
(Foundation of E-Commerce)   Time: 3hours.

Candidates are required to give their answer in their own words as for as possible.
The figures in the margin indicate full marks.

Attempt all questions.

<div align="center"><u>Section A</u>   (3×10=30)</div>

1. Explain the e-commerce framework and its application.
2. What is electronic data interchange? Explain the building blocks of an EDI system.
3. Explain the digital token based electronic payment system and its types.

<div align="center"><u>Section B</u>   (6×5=30)</div>

4. Explain B2B and its benefits.
5. What are the elements of e-commerce application? Explain.
6. Explain the client network security.
7. Explain the e-commerce security tools.
8. Mention the types of Digital documents and explain in brief.
9. Write short notes on (nay two):
    a. Properties of e-cash.
    b. Digital/Electronics wallets
    c. Data warehouses

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2069

Bachelor Level/ Third Year/ Sixth Semester/ Science   Full Marks: 60

Computer Science and Information Technology   Pass Marks: 24

(CSC- 356 – Fundamentals of E-commerce)   Time: 3 hours.

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

The figures in the margin indicate full marks.

Attempt all questions.

Section A [3x10=30]

1.) How does e-commerce differ from e-business? Discuss the e-commerce success factors.
2.) How security in e-commerce systems can be ensured? What mechanisms can be used to enforce the security? What possible vulnerabilities may lead to compromise in client-server security?
3.) How layers of EDI ensure transmission of message and data between the trading partners in e-commerce transactions? Also mention the tangible benefits of EDI.

Section A [3x10=30]

4.) Compare and contrast pure Vs. Partial e-commerce. Support your answer with proper examples.
5.) Illustrate and explain the components of the information super highway.
6.) Describe the functionality of digital wallet. Write the requirements of e-payments.
7.) Explain the merchantile model from the consumer's perspective.
8.) How digital documents enhance businesss data processing. Differentiate physical data warehouse and the logical.
9.) What services or functionalities does the e-commerce application architecture consist of ? Discuss briefly.

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2071

Bachelor Level/ Third Year/ Sixth Semester/ Science   Full Marks: 60
Computer Science and Information Technology   Pass Marks: 24
(CSC- 356 – Fundamentals of E-commerce)   Time: 3 hours.

Candidates are required to give their answers in their own words as for as practicable.
The figures in the margin indicate full marks.

Attempt all questions.

Section A [3x10=30]

1.) What is e-commerce? Explain the framework of e-commerce.
2.) Explain the electronic payments system and its types.
3.) Differentiate between B2B and B2C. Explain the major activities of B2C.

Section B [6x5=30]

4.) Mention the various advantages and disadvantages of e-commerce.
5.) Define EDI and it's components.
6.) Discuss the application of e-commerce in service sector.
7.) Explain the brief architecture of internet.
8.) Explain the digital signature and it's application .
9.) Short notes on (any two):
   a.) Hypertext Vs Hypermedia
   b.) Credit card with encryption
   c.) Advantages of Datawarehouses

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2071(II)

Bachelor Level/ Third Year/ Sixth Semester/ Science   Full Marks: 60
Computer Science and Information Technology   Pass Marks: 24
(CSC- 356 – Fundamentals of E-commerce)   Time: 3 hours.

Candidates are required to give their answers in their own words as for as practicable.
The figures in the margin indicate full marks.

Attempt all questions.

Section A [3x10=30]

1.) Explain the e-commerce framework and its anatomy of applications.
2.) What do you mean by client-server network security? Explain the data and message security with example.
3.) Define the electronic payment systems. Explain the types of electronic payment system with example.

Section B   (6*5=30)

4.) What do you mean by internet governance? Explain.
5.) Explain the consumer oriented application of e-commerce.
6.) Explain the threat on electronic payment system.
7.) Explain the EDI application in business.
8.) Explain the corporate data warehouses.
9.) Explain the dimensions of electronic commerce system.