Council for Technical Education and Vocational Training
Office of the Controller of Examinations
Sanothimi, Bhaktapur

Regular/Back Exam – 2081/2082 Chaitra/Baishakh

Program:	**Diploma in Computer Engineering**	**Full Marks: 80**
Year/Part:	**III/I (2022)** © Arjun	**Pass Marks: 32**
Subject:	**E-commerce (Elective I)**	**Time: 3 hrs.**

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

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Attempt any EIGHT questions.

1. Define e-commerce. Discuss the scope of electronic commerce. Explain the application of e-commerce. [2+4+4]

2. Explain various types of e-commerce models. [10]

3. a. Define e-marketing. How online marketing is differ from traditional marketing? [1+5]

   b. Explain in brief about the various issues related to online marketing. [4]

4. a. Discuss generations in wireless communication. [5]

   b. Explain the security issues related to wireless communication. [5]

5. a. What do you mean by software agent? Explain its types in brief. [1+5]

   b. Explain in brief about the use of network routers. [4]

6. Define electronic payment system. Explain its types in brief. [2+8]

7. a. Explain in brief about entrepreneurship development. [4]

   b. Explain the different attributes and characteristics of successful entrepreneur. [6]

8. a. Highlight some of the legal incidents related to e-commerce. [5]

   b. Write the Nepal Government Policies related to e-commerce. [5]

9. Write short notes on: (any TWO) [2×4]

   a. Emergence of internet   b. Electronic data interchange

   c. Internet security   d. Entrepreneur Vs manager

Good Luck !

Council for Technical Education and Vocational Training
Office of the Controller of Examinations
Sanothimi, Bhaktapur
Regular/Scholarship Exam- 2081 Kartik/Mangsir

Program: **Diploma in Information Technology**   Full Marks: 80
Year/Part: **III/II (2022)** © Arjun   Pass Marks: 32
Subject: **E-commerce (Elective)**   Time: 3 hrs.

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

Attempt any TEN questions.

1. Define e-commerce. Write down the application of e-commerce. [2+6]

2. Explain different business models of e-commerce. [8]

3. Define e-procurement. Discuss how EDI (Electronic Data Interchange) works. [2+6]

4. Discuss the issues related to the online marketing. Differentiate between online and offline marketing. [4+4]

5. What is wireless application protocol? Explain the security issues related to the wireless communication. [2+6]

6. Explain broadband technologies used in e-commerce. [8]

7. How can we provide internet security? Explain the types of software agents? [4+4]

8. Define EPS. Explain the types of EPS (Electronic Payment System). [2+8]

9. Define entrepreneurship. What are the necessary skills for being on entrepreneur. [2+6]

10. Define e-commerce law. Explain taxation and encryption policies. [2+6]

11. Write short notes on (any TWO) [2×4]
    a) Intellectual property
    b) Digital wallet
    c) Scope of electronic commerce
    d) Entrepreneurship Vs. manager

Good Luck !

Council for Technical Education and Vocational Training
Office of the Controller of Examinations
Sanothimi, Bhaktapur
Regular Exam-2081 Jestha/Ashadh

Program: **Diploma in Computer Engineering**   **Full Marks: 80**

Year/Part: **III/I (2022)** © A r j u n   **Pass Marks: 32**

Subject: **E-commerce (Elective I)**   **Time: 3 hrs.**

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

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Attempt any **EIGHT** questions.

1. Explain the applications of e-commerce. Discuss the scope of [5+5] electronic commerce.

2. Differentiate between B2B and B2C e-commerce. Explain EDI. [4+6]

3. Differentiate between online marketing and offline marketing. [5+5] What are the issues with online marketing? Explain.

4. Explain the growth of mobile commerce. Discuss generations [5+5] in wireless communications.

5. Explain the role of network infrastructure of e-commerce. [5+5] Define: (a) TCP   (b) ISP   (c) Wi-Fi

6. Define electronic payment system. Explain its types. Discuss [6+4] Online banking facilities provided by banks in Nepal.

7. Differentiate between entrepreneur and entrepreneurship. [5+5] What are the characteristics of a successful entrepreneur?

8. Explain taxation. Explain legal and ethical issues of [3+7] e-commerce.

9. Write short notes on (any **TWO**) [2×5]

   a) Software agents

   b) Entrepreneurship development

   c) E-procurement

Good Luck !

Council for Technical Education and Vocational Training
Office of the Controller of Examinations
Sanothimi, Bhaktapur
Regular/Back Exam – 2080 Magh/Phagun

Program:	**Diploma in Computer Engineering**	**Full Marks: 80**
Year/Part:	**III/II (2018)** ©Arjun	**Pass Marks: 32**
Subject:	**E-Commerce (Elective II)**	**Time: 3 hrs.**

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

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Attempt any **EIGHT** questions.

1. Explain e-business. Write the advantages and disadvantages of e-commerce. [4+6]

2. What is business model? Explain its type with suitable example. [2+8]

3. What is I-way? Describe the components of I-way. What are the types of software agent? [2+4+4]

4. Define EDI and its applications. Explain security and privacy issues of EDI. [2+4+4]

5. Define M-commerce. Write its applications. Explain mobile commerce architecture. [2+4+4]

6. What is cryptography and explain its types. Differentiate between digital certificate and digital signature. [5+5]

7. What are the e-commerce security issues? Explain the types and functions of firewall. [4+6]

8. Differentiate between entrepreneur and manager. Explain the characteristics of successful entrepreneur. [5+5]

9. Write short notes on: (any **TWO**) [2×5]

   a. Digital wallet
   b. SSL
   c. Aims of cyber law
   d. Online marketing Vs. Offline marketing

Good Luck !

AC

Program:	Diploma in IT Engineering	**Full Marks: 80**
Year/Part:	III/II (2016)	**Pass Marks: 32**
Subject:	E-Commerce (Elective II)	**Time: 3 hrs.**

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

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Attempt **Any Ten** questions.

1. Define E-commerce? Write down the scope of E-commerce? [8]

2. Explain Electronic Data Interchange (EDI). [8]

3. Define online marketing. Write down the use of e-advertisement and browsing behavior in e-marketing. [2+6]

4. Explain the types of electronic payment system. [8]

5. How can you manage customer relationship management? Explain consumer oriented application. [8]

6. Define e-commerce law. Explain about internet indecency and censorship. [2+6]

7. Explain the architecture of wireless application protocol. [8]

8. Explain mercantile process model with example. [8]

9. What are the advantage and disadvantage of e-commerce? [8]

10. Explain broadband technologies used in e-commerce. How chatting on the web helps in e-commerce? [4+4]

11. Write short notes on : [4+4=8]

a) Security issues related to wireless communication.

b) Internet security

Good Luck !

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

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Attempt Any Eight Questions.

1. What is e-Business? List out the advantages and risk associated in developing e-commerce.   [2+4+4]

2. What is e-Procurement? Explain B2C and C2C ecommerce with an example.   [2+4+4]

3. Define software agent. What are the types of software agent? Explain the requirements of I-way.   [2+4+4]

4. What is EDI and explain how it works? Write down the benefits of EDI.   [5+5]

5. What are the applications of m-commerce? Explain the m-commerce architecture.   [5+5]

6. Describe cryptography with its types. What are the security issues in ecommerce? Explain.   [5+5]

7. Describe about the online banking facilities of Nepali banks. What are the characteristics of successful entrepreneur?   [5+5]

8. Explain briefly about online marketing. Write the differences between online marketing and offline marketing   [5+5]

9. Write short notes on: **(Any Two)**   [2x5=10]

    i)   Cyber law
    ii) Digital wallet (eSewa)
    iii) Issues related to e-commerce
    iv) Difference between Internet, Intranet and Extranet

Good Luck!

Program: Diploma in IT Engineering	**Full Marks: 80**
Year/Part: III/II (2016) © Arjun	**Pass Marks: 32**
Subject: E-Commerce (Elective-II)	**Time: 3 hrs.**

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

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Attempt Any Ten questions

1. Define E-commerce. Explain the application of E-commerce. [8]

2. Explain Traditional marketing. How it differ from modern E-commerce marketing? [8]

3. Write down the characteristics of Business-to-Business E-commerce. Explain about electronic marketing in it. [4+4]

4. Why security issue is important in E-commerce? Explain the types of electronic payment in E-commerce. [8]

5. What are the technologies used in mobile commerce? Also explain the architecture of wireless application protocol. [8]

6. Explain the use of web-based client / server and selling on the web in e-commerce. [8]

7. Explain about ethical and other public policy issues in e-commerce. [8]

8. Explain mercantile process model with example. [8]

9. Define E-commerce law. Why it is necessary? Explain Taxation and encryption policies. [8]

10. What is consumer oriented application? Explain consumer relationship management. [2+6]

11. Write short notes on: [4+4=8]

    a) Importance of E-commerce

    b) Wireless Application Protocol (WAP)

Good Luck!

Council for Technical Education and Vocational Training
Office of the Controller of Examinations
Sanothimi, Bhaktapur
Regular/Back Exam-2078/2079, Chaitra/Baishakh
Program: **Diploma in Computer Engineering**
Year/ Part: **III/II (2018 New)** © Arjun
Subject: **E-Commerce (Elective II)**

Full Marks: 80
Pass Marks: 32
Time: 3 hrs.

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

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Attempt Any Eight Questions.

1. Explain e-commerce with an example. What are the categories of e-commerce? Explain in brief   [3+7]

2. What is consumer to consumer (C2C) e-commerce? Differentiate between B2B and B2C e-commerce   [3+7]

3. What is I-way? Describe the components of I-way. What are the types of software agent?   [2+4+4]

4. Define EDI. What are the applications of EDI. Discuss briefly on the security and privacy issues of EDI.   [2+4+4]

5. Explain the m-commerce architecture. List out any five advantages of m-commerce   [5+5]

6. Explain digital signature and digital certificate. Describe the security issues in e-commerce   [5+5]

7. What is cyber law? describe the importance of cyber law. Write down the characteristics of successful entrepreneur.   [2+3+5]

8. What do you mean by online marketing? Explain. Describe the challenges of online marketing.   [5+5]

9. Write short notes on : (Any Two)   [2x5=10]
   i) VPN
   ii) Online Banking
   iii) Payment gateway
   iv) Firewall

Good Luck !

Council for Technical Education and Vocational Training
Office of the Controller of Examinations
Sanothimi, Bhaktapur

Regular/Back Exam-2078, Chaitra-2079 Baishakh

Program:	Diploma in Information Technology	Full Marks: 8(
Year/Part:	III/II (2016) © A r j u n	Pass Marks: 3:
Subject:	E-commerce (Elective II)	Time: 3 hrs.

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

Attempt any **EIGHT** questions.

1. How emergence of internet supports e-commerce? Explain. What are applications of e-commerce? [5+5]

2. Explain about the models of B2B e-commerce. [10]

3. Explain traditional marketing. What are the advantages of online marketing? [5+5]

4. Define mobile and wireless. Explain about WAP architecture. [3+7]

5. Define network and internet. Explain about the internet naming convention. [4+6]

6. What is e-payment system? Explain about credit card and debit card. [2+4+4]

7. Explain mercantile process. Describe consumer relationship management. [5+5]

8. Write about the e-commerce laws in Nepal. [10]

9. Write shot notes on: [2×5]

   a. Trade Cycle

   b. Just in Time Delivery

   c. E-commerce Legal issues

   d. E-advertisement

Good Luck !

Council for Technical Education and Vocational Training
Office of the Controller of Examinations
Sanothimi, Bhaktapur
Regular/Back Exam-2077, Chaitra

Program:	Diploma in Computer Engineering	Full Marks: 60
Year/Part:	III/II (2013) © Arjun	Pass Marks: 24
Subject:	E-Commerce	Time: 3 hrs

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

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Attempt All questions.

1. Elaborate the concept of e-commerce with an architectural framework. Also list out the pros and cons of e-commerce. [6+4=10]

2. Discuss all e-commerce models with examples. [10]

3. Describe EDI along with its standards. Define M-commerce. [10]

4. Explain in brief the terms Internet, Intranet and Extranet. What are the risks involved in e-commerce? [6+4=10]

5. Explain EPS with its types. Discuss about the security requirements of EPS. [5+5=10]

6. Give a brief account on : (Any Two) [2x5=10]

   a) Law Vs Ethics

   b) Entrepreneur Vs Manager

   c) Digital Signatures

   d) Electronics Funds Transfer

Good Luck !

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Council for Technical Education and Vocational Training
Office of the Controller of Examinations
Sanothimi, Bhaktapur
Regular Back Exam-2076, Shrawan/Bhadra

Program: Diploma in Computer Engineering **Full Marks: 60**
Year/Part: III / II   **Pass Marks: 24**
Subject: E-Commerce   **Time: 3 hrs**

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Candidates are required to give the~~ir~~ ~~answers~~ practicable. The figures in the mar~~gin~~

Attempt **Any All** questions.

1) Differentiate between traditional and e-commerce. Write down advantages and disadvantages of e-commerce. **[5+5]**

2) Differentiate between B2C and B2B e-commerce. Explain EDI and its components. **[4+6]**

3) Define m-commerce with its importance. Explain the terms Internet, Intranet and Extranet. **[4+6]**

4) What are the risks involved and solutions in e-commerce? Explain step by step, how the payment gateway works. **[4+6]**

5) What are the issues related to e-commerce? List the aims and salient provisions of the cyber law. **[5+5]**

6) Write Short Notes on. **(Any Two)** **[2 x5=10]**

   a) Entrepreneur Vs Manager
   b) Digital signature
   c) Hypertext and Hypermedia
   d) Electronic Payment System (EPS)

Good Luck!

Council for Technical Education and Vocational Training
Office of the Controller of Examinations
Sanothimi, Bhaktapur
Regular/ Back 2075 Shrawan / Bhadra

Program: Diploma in Computer Engineering   **Full Marks:60**

Year/ Part: III/II   © Arjun   **Pass Marks: 24**

Subject: E-Commerce   **Time: 3 hrs.**

Candidates are required to give their answers in their own ~~~~ ~~ far as practicable. The figures ~~~~~~

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Attempt Any Six Questions.

1. What is e-commerce? How dose it differ form e-business? List any five benefits of e-commerce.   [2+3+5]

2. Define security attack, Discuss any five mechanism about protecting e-commerce system   [4+6]

3. What are the advantages of mobile commerce? Describe about   M- commerce architecture.   [5+5]

4. What is e-hub? List and describe the categories of e-commerce applications.   [2+2+6

5. Explain the data standards used in EDI. What are the different components used in EDI?   [5+5]

6. Discuss any four types of e-payment system . Also illustrate the importance of ethical issues related e-commerce.   [10]

7. What is cyber law? Why dose cyber crime dose increasing day by day? www.arjun00.com.np   [10]

8. Write short notes on (**Any Two**):[2x5]

    i. Entrepreneur VS Manager

    ii. Firewall

    iii. Development of B2B E-commerce

Good Luck !

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

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Attempt Any EIGHT questions.

1. What is E-Commerce? Explain any 8 applications of E-Commerce. [2+8]

2. What is server? Explain about the types of server. [2+8]

3. List the good conventions of database design. Design an Interface for Guest Registration System. [3+7]

4. Design an interface and database for Author Management System Also explain its working. [10]

5. What is personalization? How can you personalize search? [2+8]

6. Design an interface for a full threaded discussion forum and explain its working. [10]

7. Design an interface for a 4-questions poll. Also write the HTML codes for it. [5+5]

8. Explain about server Load Balancing and its benefits. [10]

9. Explain about the various ways of server security. [10]

Good Luck !

Council for Technical Education and Vocational Training
Office of the Controller of Examinations
Sanothimi, Bhaktapur
Regular/Back Exam-2074, Shrawan/Bhadra

Program: Diploma in Computer Engineering

Year/Part: III/II

Subject: Ecommerce

Full Mark: 60

Pass Mark: 24

Time: 3 hrs.

Candidates are required to gi ~~~~ s
practicable. The figures in the ~~~~

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Attempt ALL Questions.

1. Define e-commerce. Explain categories of e-commerce applications. [2+4=6]

2. Explain ecommerce types with example and modal diagram. [6]

3. Explain EDI and its components. [6]

4. Define M-commerce. What are its application and advantages? [2+4=6]

5. Explain term internet, intranet, extranet. [6]

6. How payment gateway works? Explain step by step process. [2+4=6]

7. What are the risks involved in e-commerce? What are different ecommerce security tools? [3+3=6]

8. Write difference between legal and ethical issues. [6]

9. Define cyber law. What are the aims of cyber law? [3+3=6]

10. Who is entrepreneur? To become successful entrepreneur what are the qualities the one should develop. Write in your own words. [2+4=6]

Good Luck!

NEW COURSE

Year/Part: III /II

Subject: E-Commerce   © Arjun

Full Marks: 60

Pass Marks: 24

Time: 3 hrs.

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

Attempt ALL questions.

1. What is e-commerce? What are its applications? Also, list the advantages and disadvantages of e-commerce.   **10**

2. What are the applications of M-commerce? Explain about mobile commerce architecture.   **10**

3. Explain about the electronic payment system.   **10**

4. What are the risks involved in e-commerce? Explain about the e-commerce security tools.   **10**

5. Explain about the cyber law.   **10**

6. Write shot notes on: (Any Two)   **2x5=10**
   a) Entrepreneurship
   b) B2B e-commerce
   c) Legal and Ethical issues of e-commerce

The End

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

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Attempt All questions.

1. What is e-commerce? List and explain the applications of e-commerce. [10]

2. Explain about server farm and its application. Also, explain about community server. [10]

3. What are the steps for designing a database table? Also write the query to create a database and a table. [10]

4. Design the interface and database of a author management system. [10]

5. Design the interface of a full-threaded discussion forum and explain it in brief. [10]

6. Write the code in HTML to create a simple poll with three questions: Also, design the interface. [10]

7. Explain about database architecture Also, explain about server load balancing. [10]

8. Write short notes on : **(Any TWO)** [2×5=10]

   a) Personalization and search

   b) IIS best practices

   c) Guest Registration system

Good Luck !