



**FINAL**  
Examination Paper

(COVER PAGE)

Session : August 2014

Programme : Diploma In Information And Communication Technology  
(DICTN/DICTI)

Course : ICT1102/ CSC1122 : Introduction To Internet Technologies

Date of Examination : December 5, 2014

Time : 8:00am – 10:00am Reading Time: Nil

Duration : 2 Hours

Special Instructions :

Answer any **FOUR (4)** questions.

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Materials permitted : Nil

Materials provided : Nil

Examiner (s) : Mr. Koh Chong Lin, Eric Sow Seah Kuan.

Moderator : Mr. Victor Raj Kolintiar

This paper consists of 4 printed pages, including the cover page.

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DIPLOMA IN INFORMATION AND COMMUNICATION TECHNOLOGY (DICT/N)  
DIPLOMA IN INFORMATION AND COMMUNICATION TECHNOLOGY (DICT/I)  
DIPLOMA IN NETWORKING AND SECURITY (DNS/I)

**ICT1102/CSC1122 : INTRODUCTION TO INTERNET TECHNOLOGY**  
**FINAL EXAMINATION: AUGUST 2014 SESSION**

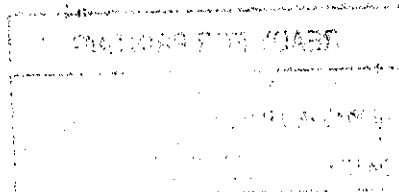
This paper consists of **SIX (6)** questions. Answer any **FOUR (4)** questions in the answer booklet provided. All questions carry equal marks.

**Question 1**

- (a) Electronic mail widely used to connect people. Give **FIVE (5)** reasons the benefit of using electronic mail. [10 marks]
- (b) What is a web browser? List and discuss any **THREE (3)** types of web browsers available in the market. [10 marks]
- (c) List any **FIVE (5)** Netiquette when using e-mail. [5 marks]

**Question 2**

- (a) Differentiate between Intranet and Extranet. [8 marks]
- (b) What is Web 2.0? Identify and explain any **TWO (2)** Web 2.0 applications. [7 marks]
- (c) Briefly explain the following:
  - i) Internet Service Provider
  - ii) Web Server
  - iii) File Transfer Protocol
  - iv) Telnet
  - v) Secure Socket Layer[10 marks]



## Question 3

- (a) List and explain **FIVE (5)** types of web portals. [10 marks]
- (b) Write the HTML code to produce the following screen:

User Registration

Name:	<input type="text"/>
Password:	<input type="password"/>
Gender:	<input type="radio"/> Male <input type="radio"/> Female
Address:	<input type="text"/>

[10 marks]

- (c) Domain name are grouped by Top-Level Domain (TLD) that identifies the type of organization associated. List any **FIVE (5)** TLDs. [5 marks]

## Question 4

- (a) Differentiate between horizontal portal and vertical portal? [5 marks]
- (b) Identify and explain **FOUR (4)** characteristics of News-Oriented web sites. [10 marks]
- (c) Draw the form created by the following HTML code. [10 marks]

```

<HTML>
<HEAD><TITLE>Sample Forms</TITLE></HEAD>
<BODY>
<H1 ALIGN=CENTER> This is a sample form. </H1>
<FORM ACTION = "../process.php" METHOD="GET">
  <INPUT TYPE = "checkbox" NAME = "cb1" CHECKED>I'm a checkbox <BR/>
  <INPUT TYPE = "radio" NAME = "Radio Button 1" VALUE="A">Choice A
<BR/>
  <INPUT TYPE = "radio" NAME = "Radio Button 1" VALUE="B">Choice B
<BR/>
  <INPUT TYPE = "radio" NAME = "Radio Button 1" VALUE="C"
CHECKED>Choice C <BR/><BR/>
  Pick an option, friend! <BR/>
  <SELECT NAME="select1">
    <OPTION> OPTION 1</OPTION><OPTION> OPTION 2</OPTION>
    <OPTION> OPTION 3</OPTION>
  </SELECT>
  <INPUT TYPE = "text" NAME="text1" SIZE=30 VALUE = "I'm a small text
field!"><BR/>
  <TEXTAREA NAME = "text2" ROWS=10 COLS=50> I'm a
textarea</TEXTAREA><BR/><BR/>
  <INPUT TYPE = "Submit" VALUE= "Submit">
  <INPUT TYPE = "Reset" VALUE="Clear Form">
</FORM>
</BODY>
</HTML>

```

[Turn Over]

**Question 5**

- (a) Explain the terms below: [8 marks]
- (i) Spiders
  - (ii) White pages
  - (iii) Meta Search Tools
  - (iv) Robot exclusion protocol
- (b) There are **THREE (3)** types of Search Engines, explain each of them and provide an example. [9 marks]
- (c) Describe **FOUR (4)** good practices that HTML designers should follow to ensure that all users get easy access to the information [8 marks]

**Question 6**

- (a) Explain the following terms:
- i) Information Privacy [2 marks]
  - ii) Electronic Profile [2 marks]
  - iii) Cookie [2 marks]
  - iv) Biometric Device [2 marks]
- (b) Describe briefly the functions of the following TCP/IP stack sub-protocol.
- (i) Global Positioning System (GPS)
  - (ii) Hypertext Transfer Protocol (HTTP)
  - (iii) Simple Mail Transfer Protocol (SMTP)
  - (iv) Domain Name Servers (DNS)
  - (v) Post Office Protocol version 3 (POP3) [10 marks]
- (c) Write a complete HTML code for the following drop-down list which consists of the items: Volvo, Saab, BMW and Audi. [7 marks]

Choose a car : Volvo ▾

**END OF QUESTION PAPER**