FINAL
Examination Paper

(COVER PAGE)

Session : August 2014

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

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.

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.
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

<table>
<thead>
<tr>
<th>Name:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Password:</td>
<td></td>
</tr>
<tr>
<td>Gender:</td>
<td>Male</td>
</tr>
<tr>
<td></td>
<td>Female</td>
</tr>
<tr>
<td>Address:</td>
<td></td>
</tr>
</tbody>
</table>

[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/> 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!" />
  <textarea name="text2" rows=10 cols=50> I'm a textarea </textarea><br/>
  <input type="submit" value="Submit"/>
  <input type="reset" value="Clear Form"/>
</form>
</body>
</html>
```
Question 5

(a) Explain the terms below:  
(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.  

(c) Describe FOUR (4) good practices that HTML designers should follow to ensure that all users get easy access to the information.  

Question 6

(a) Explain the following terms:  
i) Information Privacy  
ii) Electronic Profile  
iii) Cookie  
iv) Biometric Device  

(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)  

(c) Write a complete HTML code for the following drop-down list which consists of the items: Volvo, Saab, BMW and Audi.  

Choose a car: Volvo ▼