FINAL
Examination Paper

(COVER PAGE)

Session : April 2013

Programme : Diploma In Information And Communication Technology (DICTN)

Course : ICT1102 : Introduction To Internet Technologies

Date of Examination : August 1, 2013

Time : 11:00am - 1:00pm  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, Melisa Kaur, Koo Lee Chun

Moderator : Dr. Ahmad Suhaimi Baharudin

This paper consists of 4 printed pages, including the cover page.
INTI INTERNATIONAL COLLEGE SUBANG

DIPLOMA IN INFORMATION AND COMMUNICATION TECHNOLOGY PROGRAMME (DICTN)
ICT1102 : INTRODUCTION TO INTERNET TECHNOLOGIES
FINAL EXAMINATION: APRIL 2013 SESSION

**Instruction:** Answer any FOUR (4) out of SIX (6) questions.

**Question 1**

(a) What is an Internet Protocol (IP) address? Differentiate between Static IP and Dynamic IP.  
(6 marks)

(b) Describe the role of ISP. Provide TWO (2) example of ISP in Malaysia.  
(4 marks)

(c) Write the HTML Code for the following output.  
(15 marks)

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**Final Exam Results**

<table>
<thead>
<tr>
<th>Name</th>
<th>Subject</th>
<th>Marks</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tan Ah Kow</td>
<td>ICT1100</td>
<td>97</td>
<td>A+</td>
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<tr>
<td>Ooi Ah Toon</td>
<td>ICT1100</td>
<td>83</td>
<td>A+</td>
</tr>
</tbody>
</table>

**Question 2**

E-mail messages are sent over the Internet using the same packet-switching technology and TCP/IP that govern all communications over Internet.

(a) Briefly explain packet switching technology.  
(3 marks)

(b) Explain the process of resolving a domain name using the Domain Name System (DNS) at the local caching server.  
(10 marks)

(c) List TWO (2) types of mail server. Differentiate between them.  
(6 marks)

(d) What is a web-based email services and list TWO (2) advantages and TWO (2) disadvantages of using a Web-based email service.  
(6 marks)
Question 3

(a) State the type of domain represented by the following TLD abbreviation: (3 marks)
   (i) .org
   (ii) .edu
   (iii) .gov

(b) Explain the following term: (10 marks)
   (i) Web pages
   (ii) Web sites
   (iii) Web browser
   (iv) Search Engine
   (v) Uniform Resource Locator (URL)?

(c) Briefly explain TWO (2) advantages and TWO (2) disadvantages of internet access by using: (12 marks)
   (i) Dial-Up
   (ii) Satellite
   (iii) Wi-Fi

Question 4

(a) List and explain TWO (2) browser shortcuts for accessing Web page content and revisiting Web pages. (6 marks)

(b) Identify and discuss THREE (3) web threats. (9 marks)

(c) Briefly explain FIVE (5) steps involved in the web search process. (10 marks)

Question 5

(a) What is a Social Networking? Give TWO (2) examples of traditional social networking. (4 marks)

(b) List FIVE (5) guidelines for smart and safe online social networking. (5 marks)

(c) Briefly explain THREE (3) e-mail etiquette guideline to help a sender conveys an idea clearly without accidentally insulting someone or hurting feeling. (6 marks)

(d) Discuss FOUR (4) aspects of our daily life changes in these Internet age. (10 marks)
Question 6

(a) What is VoIP? Discuss TWO (2) advantages of this technology. (4 marks)

(b) Give an example of a website to support each of the following Internet activities:

(i) Research and Reference Tools
(ii) Entertainment

(2 marks)

(c) Define Hypertext Markup Language (HTML). Explain how HTML works? (4 marks)

(d) Show the following output (15 marks)

```html
<html>
<body>
<h3>Send e-mail to someone@example.com:</h3>
<form action="MAILTO:someone@example.com" method="post">
Name:<br />
<input type="text" name="name" value="your name">
E-mail:<br />
<input type="text" name="mail" value="your email">
Comment:<br />
<input type="text" name="comment" value="your comment" size="50">
<input type="submit" value="Send">
<input type="reset" value="Reset">
</form>
</body>
</html>
```

-THE END-

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