



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

Name	Exam Results		
	Subject	Marks	Grade
Tan Ah Kow	ICT1100	97	A+
Ooi Ah Too	ICT1100	81	A+

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 web site to support each of following Internet activities: (2 marks)
- (i) Research and Reference Tools
 - (ii) Entertainment
- (c) Define Hypertext Markup Language (HTML). Explain how HTML works? (4 marks)
- (d) Show the following output (15 marks)

```
<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"><br/>
E-mail:<br>
<input type="text" name="mail" value="your email"><br/>
Comment:<br>
<input type="text" name="comment" value="your comment" size="50"><br><br>
<input type="submit" value="Send">
<input type="reset" value="Reset">
</form>

</body>
</html>
```

-THE END-