

FINAL
Examination Paper

(COVER PAGE)

Session : August 2015

Programme : Diploma In Information And Communication Technology (DICTN)

Course : ICT1102: Introduction To Internet Technologies

Date of Examination : December 12, 2015

Time : 8.00am – 10.00am Reading Time : Nil

Duration : 2 Hours

Special Instructions :

Answer any **FOUR (4)** questions in the answer booklet provided.

Materials permitted : Nil

Materials provided : Nil

Examiner(s) : Ms. Melisa Kaur and Mr. Eric Cheah Chin Soon

Moderator : Mr. Victor Raj Kolintiar

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

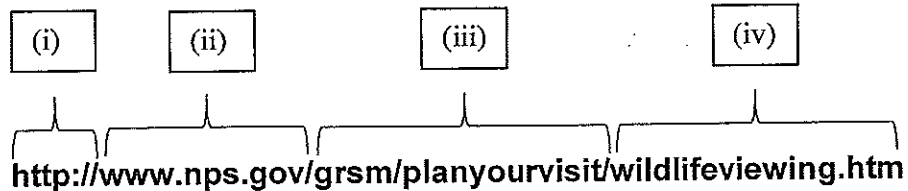
DIPLOMA IN INFORMATION AND COMMUNICATION TECHNOLOGY (DICTN)
 ICT1102: INTRODUCTION TO INTERNET TECHNOLOGIES
 FINAL EXAMINATION: AUGUST 2015 SESSION

Question 1

- (a) Expand and explain the following terms:
- (i) W3C
 - (ii) B2B
 - (iii) TCP/IP
 - (iv) WISP
- (12 marks)
- (b) List any **FIVE (5)** people who use the Internet.
- (5 marks)
- (c) Describe **FOUR (4)** important criteria for evaluating the credibility of the search results.
- (8 marks)

Question 2

- (a) (i) A Web address or called as Uniform Resource Locator (URL) consists of some critical components in identifying the location of the Web page. Identify and provide correct component name for the following URL.



(4 marks)

- (ii) Explain IP address. List and explain the **TWO (2)** types of IP addresses.
- (5 marks)
- (b) Web browsers offer tools to assist in sharing favorites/bookmarks between browsers and computer. Briefly explain the following features in Web browsers:
- (i) AutoComplete feature
 - (ii) Web Slices
 - (iii) History list
 - (iv) Address bar drop-down list
 - (v) Accelerators
- (10 marks)

(c) Provide appropriate safeguards or solutions for the following risks while using the Web.

- (i) Hacker
- (ii) Shopping Safely Online
- (iii) Protecting Your Computer from Viruses

(6 marks)

Question 3

(a) Briefly discuss the five-step search process in searching the Web.

(10 marks)

(b) Modern networks can be categorized by the physical area they cover. Name and explain **THREE (3)** types of networks.

(9 marks)

(c) Briefly explain the following Web terms:

- (i) Breadcrumb trail
- (ii) Metasearch engine
- (iii) Invisible Web

(6 marks)

Question 4

(a) (i) Explain the function of an Internet Service Provider..

(1 mark)

(ii) Give **THREE (3)** considerations for choosing an ISP.

(6 marks)

(b) Explain **FIVE (5)** characteristics of a News Oriented Website.

(10 marks)

(c) Explain the following:

- (i) Virtual meeting
- (ii) Video conferencing
- (iii) Web conferencing
- (iv) Internet telephony

(8 marks)

Question 5

- (a) Complex searches may require the use of Boolean operators to include or exclude keywords. Name and explain **THREE (3)** types of Boolean operators. (6 marks)
- (b) Briefly explain the following terms:
- (i) Sticky Web Site
 - (ii) Streaming Media
 - (iii) Business model
 - (iv) Brick-and-click Business
 - (v) File Transfer Protocol (FTP)
- (10 marks)
- (c) Explain the following components of the electronic mail system.
- (i) E-mail client
 - (ii) Mail server
 - (iii) E-mail address
- (9 marks)

Question 6

- (a) Explain the following:
- (i) Blogs
 - (ii) Microblogging
 - (iii) Newsgroups
 - (iv) Chat
 - (v) Multimedia messaging,
- (10 marks)
- (b) Provide **THREE (3)** good practices to prevent viruses and other Malware from Internet. (6 marks)
- (c) With a diagram, explain the process of a payment gateway between an e-retailer and an issuing bank. (9 marks)