

 **INTI International
University & Colleges**

FINAL
Examination Paper

(COVER PAGE)

Session : APRIL 2018

Programme : Diploma In Information And Communication Technology (DICTN)
Diploma In Information Technology (DITN)

Course : ICT1102: Introduction To Internet Technologies

Date of Examination : August 1, 2018 (Wednesday)

Time : 11:00 am – 1:00 pm Reading Time : Nil

Duration : 2 Hours

Special Instructions :

SECTION A: Answer **ALL** the questions

SECTION B: Answer any **THREE (3)** questions

Materials permitted : Nil

Materials provided : OMR Sheets

Examiner(s) : Kavitha Thamadharan and Melisa Kaur Narjan Singh

Moderator : Victor Raj Kolintiar

This paper consists of 8 printed pages, including the cover page

DIPLOMA IN INFORMATION AND COMMUNICATION TECHNOLOGY PROGRAMME
(DICTN)
DIPLOMA IN INFORMATION TECHNOLOGY PROGRAMME (DITN)
ICT1102: INTRODUCTION TO INTERNET TECHNOLOGIES
FINAL EXAMINATION: APRIL 2018 SESSION

Section A (40 marks)

Instruction: This section consists of **TWENTY (20)** questions. Answer **ALL** questions in the OMR sheets provided.

1. A ____ is a web-based resource that helps you find specific information on the web.
 - A. search tool
 - B. browser
 - C. server
 - D. site

2. The following are the considerations for choosing an Internet Service Provider, except:
 - A. The speed or bandwidth of the connection
 - B. The availability of wireless or mobile data service
 - C. The type of connection and cost of service
 - D. The location of the Internet Service Provider's office

3. The following online communication methods must have its users to be online at the same time, except:
 - A. instant messaging
 - B. massive multiplayer online games (MMOG)
 - C. social bookmarking
 - D. internet relay chat

4. Search results list contains the:
 - A. URL, title, and description of and links to webpages
 - B. URL, title, and description of webpages
 - C. Title, and description of and search to webpages
 - D. Title, and description of and buttons to webpages

5. A special type of website that offers access to a vast range of content and services is called a ____.
- A. portal
 - B. host
 - C. site
 - D. link
6. After reading several recent news stories about the risk of online identity theft, you are concerned about what is being tracked with regard to your own online behavior.
- Which of the following has no legitimate reason to track your online behavior?
- A. employers
 - B. government agencies
 - C. an ISP
 - D. third-party advertisers
7. All the following are types of Digital Dedicated lines, EXCEPT:
- A. T- Carrier Line
 - B. T-3 Line
 - C. F- Carrier Line
 - D. Fractional T-1 Line
8. The following are the areas to evaluate the credibility of webpages, except:
- A. Authority
 - B. Objectivity
 - C. Access Date
 - D. Scope
9. A (n) ____ search seeks specific information using keyword combinations.
- A. targeted
 - B. open-ended
 - C. meta tag
 - D. natural language

10. Examples of ____ include what, where, is, the, of, in, and how.
- A. hits
 - B. meta tags
 - C. search engines
 - D. stop words
11. In the email address mariaspringer@gmail.com, what is the host name?
- A. @
 - B. mariaspringer
 - C. gmail.com
 - D. .com
12. A (n) ____-formatted message contains formatting, such as different fonts, font sizes, and font styles, as well as bulleted lists and indented paragraphs.
- A. IMAP
 - B. HTML
 - C. POP
 - D. SMTP
13. Which of the following e-business transactions account for the majority of e-business dollars spent?
- A. B2B
 - B. B2C
 - C. C2C
 - D. B2E
14. A _____ is a website designed to look like a legitimate site, but is owned by hackers or online thieves.
- A. look alike website
 - B. false website
 - C. malicious website
 - D. hijack

15. Which of the following is a browser shortcut to a frequently viewed webpage?
- A. Bookmark
 - B. RSS
 - C. Home
 - D. Link
16. Which of the following best describes an AutoComplete feature in an Address Bar?
- A. looks at the last characters you type in the Address box and then suggests websites and search keywords based on the stored URLs
 - B. looks at the middle characters you type in the Address box and then suggests websites and search keywords based on the stored URLs
 - C. looks at all characters you type in the Address box and then suggests websites and search keywords based on the stored URLs
 - D. looks at the first few characters you type in the Address box and then suggests websites and search keywords based on the stored URLs
17. _____ uses name servers to translate domain name to numeric IP address.
- A. DNS
 - B. IP
 - C. TCP
 - D. DDos
18. A special kind of virus that spreads across a network, such as the Internet, by replicating itself is called a computer _____.
- A. trojan horse
 - B. worm
 - C. hoax
 - D. payload
19. _____ is a technology that accesses your computer system to gather information without your knowledge and approval.
- A. Spy peering
 - B. Private peering
 - C. Spyware
 - D. Tunneling

20. A _____ compiles the search results from multiple search engines into a single search results list.
- A. proxy server
 - B. search engine
 - C. search machine
 - D. metasearch engine

Section B (60 marks)

Instruction: Answer any **THREE (3)** questions in the answer booklet provided.

Question 1

- (a) What are the **FIVE (5)** Internet communication methods? Explain. (10 Marks)
- (b) E-mail is the transmission of messages and files via a computer network.
- (i) Explain the function of an e-mail program. (2 Marks)
- (ii) List the steps of how an e-mail message may travel from a sender to a receiver. (8 Marks)

Question 2

- (a) Explain the steps involved in a search process. (15 Marks)
- (b) List any **FIVE (5)** ways to prevent internal threats in an organization. (5 Marks)

Question 3

- (a) A local area network (LAN) supports users in a small geographical area. LANs are configured in any two types of basic structures that are peer-to-peer and client/server. Explain the differences between the peer-to-peer and client/server network architecture. (10 Marks)
- (b) E-businesses operate using a mix of e-business models and revenue generation methods. Explain any **FIVE (5)** of these methods. (10 Marks)

Question 4

- (a) Write the **COMPLETE HTML** codes to produce the page as shown in Figure 1. (16 Marks)

Happy Restaurant

Food	Nasi Goreng Ayam
	Nasi Goreng Tomyam
	Nasi Goreng Kampung
	Nasi Goreng Cina
	Nasi Goreng Pataya
Drinks	Milo Ice
	Orange Juice
	Ice Lemon Tea
	Honey Lemon Tea
	Coffee

food.gif

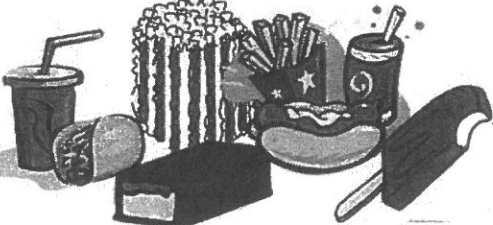


Figure 1 shows a web page layout for 'Happy Restaurant'. At the top is a heading 'Happy Restaurant'. Below it is a table with two sections: 'Food' and 'Drinks'. The 'Food' section lists five items: Nasi Goreng Ayam, Nasi Goreng Tomyam, Nasi Goreng Kampung, Nasi Goreng Cina, and Nasi Goreng Pataya. The 'Drinks' section lists five items: Milo Ice, Orange Juice, Ice Lemon Tea, Honey Lemon Tea, and Coffee. Below the table is a graphic labeled 'food.gif' showing various food items like a burger, fries, and drinks. Annotations indicate that the heading is centered, the table height is 200 and width is 400, and the graphic is 'food.gif'.

Figure 1

- (b) Create a hyperlink with the link text as "Contact us at Facebook" that will link to a Facebook account at URL "www.facebook.com/happy.restaurant". (4 marks)