

 **INTI** International
University & Colleges

FINAL
Examination Paper

(COVER PAGE)

Session : AUGUST 2018

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

Course : ICT1102: Introduction To Internet Technologies

Date of Examination : 13 December 2018, (Thursday)

Time : 11:00am – 1:00pm 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

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Moderator : Victor Raj Kolintiar

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

DIPLOMA IN INFORMATION TECHNOLOGY PROGRAMME (DITN)
ICT1102: INTRODUCTION TO INTERNET TECHNOLOGIES
FINAL EXAMINATION: AUGUST 2018 SESSION

Section A (40 marks)

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

1. A global network of computers and mobile devices connected together to share information and other resources is the _____.
 - A. web
 - B. e-mail network
 - C. Internet
 - D. IRC network

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. A standard or set of rules that computer network devices follow when transmitting and receiving data is called a _____.
 - A. repeater
 - B. server
 - C. host
 - D. protocol

4. A subset of the Internet that supports documents that combine pictures, sound, and animation with text is _____.
 - A. chat
 - B. newsgroups
 - C. the web
 - D. mailing lists

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. Text or pictures in a webpage that can be used to view a different location in the same page or a different page are known as ____.
- A. protocols
 - B. hosts
 - C. blogs
 - D. hyperlinks
7. What symbol can you look for at a website that demonstrates the site's commitment to its visitors' privacy?
- A. web beacon
 - B. bookmark
 - C. TRUSTArc trustmark
 - D. web bug
8. Which of the following communication method is best suited for hundreds or thousands of participants at a time?
- A. Virtual meeting
 - B. Web conferencing
 - C. Video conferencing
 - D. Virtual conversation
9. Which of the following is **NOT** a type of physical transmission media?
- A. Coaxial cable
 - B. Fiber-optics cable
 - C. Network connect cable
 - D. Twisted-pair cable
10. Examples of ____ include what, where, is, the, of, in, and how.
- A. hits
 - B. meta tags
 - C. search engines
 - D. stop words

11. Some industry portals create a ____ exchange by aggregating information about a specific industry and providing a marketplace where businesses can buy from and sell to each other.
- A. B2C
 - B. B2B
 - C. B2G
 - D. B2E
12. _____ is a social networking using the combination of LBS with social networking providers.
- A. Location-based service
 - B. Global Positioning System
 - C. Geosocial networking
 - D. SMTP
13. E-commerce websites integrate ____ features into their e-commerce operations to attract visitors.
- A. social opinion
 - B. phishing
 - C. stock-manipulation
 - D. open list
14. _____ occurs when hackers redirect a URL to an alternate website.
- A. Hacking
 - B. Hijacking
 - C. Fraud
 - D. DDoS
15. Companies such as Blackboard or Moodle offer ____.
- A. learning management systems
 - B. bill payment services
 - C. enterprise information portals
 - D. marketspaces
16. Transaction fees, sales commissions, subscription or membership fees, and personal ad fees are ways in which ____ e-businesses generate revenue.
- A. B2B
 - B. B2C
 - C. B2G
 - D. C2C

17. _____ portals are specific to a certain geographic location and provide content about that area, written for and by local citizens.
- A. Geolocal
 - B. Hyperlocal
 - C. Local info
 - D. Local location
18. The following are the characteristics of News-Oriented websites, except:
- A. Interactivity
 - B. Obsolete
 - C. Availability
 - D. Authority
19. At auction websites, sellers can set a _____, which is the lowest price at which a seller will sell an item.
- A. selling price
 - B. reserve price
 - C. bidding price
 - D. cost price
20. The following are the benefits for online stores, except:
- A. Not creating in-store displays
 - B. Not having to decide what hours to run the business
 - C. Not having catalogues
 - D. Not renting a storefront

Section B (60 marks)

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

Question 1

- (a) Explain the following terms:
- (i) World Wide Web
 - (ii) Web Browser
 - (iii) Web Site
 - (iv) Web Server
 - (v) Web 2.0
- (10 marks)
- (b) Explain the term domain name and domain name system. List **SIX (6)** examples of top-level domains.
- (10 marks)

Question 2

- (a) What are directories? Provide an example.
- (10 marks)
- (b) Explain the following terms:
- (i) Social media
 - (ii) Microblogging
 - (iii) Newsgroups
 - (iv) Social bookmarking
- (10 marks)

Question 3

- (a) Explain **FIVE (5)** benefits of using e-mail.
- (10 marks)
- (b) Explain the **FIVE (5)** steps involved in the process of registering a domain name for an organization.
- (10 marks)

Question 4


- (a) Write the **COMPLETE HTML** codes to produce the page as shown in Figure 1. (14 Marks)

Big Data

Big data is a term that describes the large volume of data, both structured and unstructured that inundates a business on a day-to-day basis.

The concept gained momentum in the early 2000s when industry analyst Doug Laney articulated the now-mainstream definition of big data as the three Vs:

1. Volume
2. Variety
3. Velocity



BIG DATA

Figure 1

- (b) Write the **COMPLETE HTML** codes to produce the page as shown in Figure 2.
(6 marks)

| Subject | Exam Date |
|-----------------------------|------------------|
| Information System | 2 December 2018 |
| Systems Analysis and Design | 5 December 2018 |

Figure 2

~ The End ~

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