

FINAL
Examination Paper

(COVER PAGE)

Session : April 2016

Programme : Diploma in Information and Communication Technology (DICTN)

Course : ICT1100: Information Technology Principles

Date of Examination : 24 July 2016, Sunday

Time : 8.00am – 10.00am

Duration : 2 Hours Reading Time : Nil

Special Instructions :

SECTION A: Answer **ALL** questions.

SECTION B: Answer **THREE (3)** out of **FOUR (4)** questions.

IMPORTANT NOTE : **THIS PAPER SHOULD NOT BE TAKEN OUT OF THE EXAMINATION HALL**

Materials Permitted : Nil

Materials Provided : Answer Booklet

Examiner(s) : Mr. Light Lau Teng Lye

Moderator : Mr. Eric Sow Seah Kuan

This paper consists of 5 printed pages, including the cover page.

DIPLOMA IN BUSINESS (DIB)
DIPLOMA IN FINANCE (DIF)
DIPLOMA IN INFORMATION AND COMMUNICATION TECHNOLOGY (DICTN)
ICT1100: INFORMATION TECHNOLOGY PRINCIPLES
FINAL EXAMINATION: APRIL 2016 SESSION

Instruction: This paper consists of **TWO (2) SECTIONS**. Answer **ALL** questions in **SECTION A** and any **THREE (3)** questions in **SECTION B**.

SECTION A: Answer **ALL** questions in the OMR sheet provided. **(40 marks)**

1. Which of the following represents approximate 1024 bytes amount of data in computing?
 - A. Kilo Byte (KB)
 - B. Tera Byte (TB)
 - C. Mega Byte (MB)
 - D. Giga Byte (GB)

2. _____ refers to the free programs that allow users to use within a short period of time.
 - A. Firmware
 - B. Freeware
 - C. Shareware
 - D. System software

3. What is “intellectual property”?
 - A. Ownership of a property
 - B. Protection of information privacy
 - C. Measurement of intelligence
 - D. Recognition of individual creation

4. Which of the following is storage device?
 - A. Hard-disc
 - B. Processor
 - C. Video card
 - D. USB port

5. Which of the followings is a type of volatile memory?
 - A. ROM
 - B. Flash memory
 - C. CMOS
 - D. SDRAM

6. What is a “cluster” in a hard disk?
- A. A group of sectors
 - B. A group of tracks
 - C. A group of disks
 - D. A group of partitions
7. _____ performs mathematical calculation and logical comparison.
- A. Control Unit
 - B. ROM
 - C. RAM
 - D. ALU
8. How does computer store data in optical disc?
- A. Microscopic magnetic points
 - B. Microscopic characters
 - C. Microscopic images
 - D. Microscopic lands and pits
9. The ___ is the heart of the Operating System & control most of computer critical process
- A. Kennel
 - B. Control Unit
 - C. Core Unit
 - D. Kernel
10. _____ is a small image that display on the screen to represent a program or object.
- A. Icon
 - B. Cursor
 - C. Button
 - D. Menu
11. The speed of an ink jet printer is measured by the number of _____ it can print.
- A. pages per second (pps)
 - B. pages per minute (ppm)
 - C. characters per second (cps)
 - D. characters per minute (cpm)
12. What is the program that helps operating system to manage a device?
- A. Driver
 - B. Decoder
 - C. Compiler
 - D. Browser

13. What is the knowledge of computers and ability to use computers to work
- A. Computer security
 - B. Computer legacy
 - C. Computer literacy
 - D. Computer efficiency
14. What is a quad-core microprocessor?
- A. A processor with 2 cores
 - B. A processor with 4 cores
 - C. A processor with 6 cores
 - D. A processor with 8 cores
15. Which of the following standards is used by computers to represent data?
- A. WIFI
 - B. ASCII
 - C. SATA
 - D. USB
16. Which of the following methods can prevent information theft over the Internet?
- A. Antivirus
 - B. Authorization
 - C. Activation codes
 - D. Encryption
17. The clock speed of a microprocessor is measured in _____.
- A. Hertz
 - B. Byte
 - C. Bit
 - D. Second
18. Which of the following software is used to create electronic spreadsheets?
- A. Microsoft Excel
 - B. Microsoft Access
 - C. Microsoft Word
 - D. Microsoft PowerPoint

19. How do you measure the printing quality of printers?
- A. Characters per second
 - B. Pages per minute
 - C. Response time
 - D. Dots per inch
20. A computer program that capable of duplicate itself on infected computer, consuming computer resources and send copies to other computers via network is called _____.
- A. worm
 - B. trojan horse
 - C. virus
 - D. anti-virus

SECTION B: Answer any **THREE (3)** questions in the answer booklet provided. All questions carry equal marks. **(60 marks)**

Question 1

- (a) Explain **FIVE (5)** reasons why computer was so powerful? (10 marks)
- (b) Differentiate between packaged software and custom software. (5 marks)
- (c) Give **FIVE (5)** suggestions to prevent virus infection in computer system. (5 marks)

Question 2

- (a) Explain **FIVE (5)** examples of application software. (10 marks)
- (b) Explain **FIVE (5)** types of utility programs. (10 marks)

Question 3

- (a) With the aid of diagram, explain the **FOUR (4)** processes in machine cycle. (10 marks)
- (b) List any **FIVE (5)** main functions of OS. (5 marks)
- (c) Briefly explain **TWO (2)** methods to prevent unauthorized access and use of computer. (5 marks)

Question 4

- (a) Explain **THREE (3)** factors that affect the quality of display unit. (9 marks)
- (b) Explain **TWO (2)** basic forms of input for computers (6 marks)
- (c) Differentiate between the uses of printer and projector as output devices. (5 marks)