

FINAL
Examination Paper

(COVER PAGE)

Session : January / February 2016

Programme : Diploma In Business (DIB)
Diploma In Information And Communication Technology (DICTN)

Course : ICT1100: Principles Of Information Technology

Date of Examination : March 17, 2016 (Thursday)

Time : 2.00pm – 4.00pm Reading Time : Nil

Duration : 2 Hours

Special Instructions :

Section A: Answer ALL multiple choice questions.

Section B: Answer any THREE (3) essay questions.

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

Materials permitted : Nil

Materials provided : OMR Sheets

Examiner(s) : Mr. Andrew Ho Mun Wah, Mr. Light Lau Teng Lye,
Mr. Tee Ah Ann, Mr. Victor Raj Kolintiar

Moderator : Mr. Eric Sow Seah Kuan

This paper consists of 6 printed pages, including the cover page

DIPLOMA IN BUSINESS (DIB)
DIPLOMA IN INFORMATION AND COMMUNICATION TECHNOLOGY (DICTN)
ICT1100: PRINCIPLES OF INFORMATION TECHNOLOGY
FINAL EXAMINATION: JANUARY / FEBRUARY 2016 SESSION

Section A: Multiple Choice Questions (40 marks)

Instructions: This section consists of **TWENTY (20)** questions. Answer **ALL** questions in the OMR sheet provided. All questions carry equal marks.

1. Digital literacy, involves having a current knowledge and understanding of _____.
 - A. computer programming
 - B. computers and their uses
 - C. computer repair
 - D. all of the above

2. The number system that has just two unique digits, 0 and 1, is called _____.
 - A. analog system
 - B. binary system
 - C. decimal system
 - D. digital system

3. A _____ is equal to approximately 1 million bytes.
 - A. gigabyte (GB)
 - B. kilobyte (KB)
 - C. megabyte (MB)
 - D. terabyte (TB)

4. Following is popular software suite which is a collection of individual programs available together as a unit EXCEPT
 - A. Adobe CS
 - B. Google Docs
 - C. Microsoft Cloud
 - D. WPS Office

5. With _____ software, a user can create and deliver a slide show to a large audience by connecting a computer to a video projector.
 - A. database
 - B. spreadsheet
 - C. presentation graphics
 - D. word processing

6. _____ is the electronic equivalent of a user manual.
- A. Blended learning
 - B. Distance learning
 - C. Online help
 - D. Web-based training
7. _____ computing involves reducing the electricity and environmental waste while using computers, mobile devices, and related technologies.
- A. Green
 - B. Blue
 - C. Fuchsia
 - D. White
8. Following are standard interface cables for hard disk drive **EXCEPT**
- A. IDE
 - B. SAP
 - C. SCSI
 - D. USB
9. _____ is a group of two or more integrated hard disk drive.
- A. HAID
 - B. LAID
 - C. PAID
 - D. RAID
10. _____ is defined as gaining unauthorized access to or obtaining confidential information by taking advantage of the trusting human nature of some victims and the naivety of others.
- A. Information theft
 - B. Denial-of-service
 - C. Phishing
 - D. Social engineering
11. _____ is a process of converting data that is readable by humans into encoded characters to prevent unauthorized access.
- A. Compression
 - B. Encryption
 - C. Pipelining
 - D. Translation

12. The followings are ways to prevent unauthorized computer access **EXCEPT**
- A. Anti-virus software
 - B. Firewall software
 - C. Fingerprint authentication device
 - D. Intrusion detection software
13. _____ is a technology that sends resistance to a device in response to actions of the user.
- A. Data projector
 - B. Isometric pad
 - C. Interactive whiteboard
 - D. Force feedback
14. _____ is responsible for controlling and coordinating the activities of the computer system during executing of the program.
- A. Control unit
 - B. Input device
 - C. Primary storage
 - D. System unit
15. Following are examples of flash drive memory standard **EXCEPT**
- A. CF
 - B. M2
 - C. Firewire
 - D. MicroSD
16. Which of the followings is a type of volatile memory?
- A. CMOS
 - B. CD-ROM
 - C. DVD-ROM
 - D. SDRAM
17. A ____ printer generates images by pushing electrically heated pins against heat-sensitive paper.
- A. 3D
 - B. label
 - C. plotter
 - D. thermal

18. With _____, the computer will detect human motions.
- A. a computerized implant
 - B. gesture recognition
 - C. holographic recognition
 - D. keyguard
19. _____ reader that optically read small circles pencil marks on special printed form.
- A. ASCII
 - B. MICR
 - C. OCR
 - D. OMR
20. Each dot of phosphor material on a CRT screen consists of a _____ phosphor.
- A. red, green and blue
 - B. blue, red and yellow
 - C. yellow, green and red
 - D. black, white, red

Section B: Short Answer Questions (60 marks)

Instructions: This section consists of **FOUR (4)** questions. Answer any **THREE (3)** questions in the answer booklet provided. All questions carry equal marks.

Question 1

- (a) List **FIVE (5)** classifications of computers. (5 marks)
- (b) Identify and explain **THREE (3)** positive impacts and **THREE (3)** negative impacts of using computer. (15 marks)

Question 2

- (a) With the use of **ONE (1)** popular example of operating system, list and describe **FIVE (5)** functions of an operating system. (11 marks)
- (b) Explain **TWO (2)** characteristics for *each* of the following form of software:-
- (i) Freeware
 - (ii) Shareware
 - (iii) Open source software
- (9 marks)

Question 3

- (a) i. Name **FIVE (5)** categories of malware. (5 marks)
- ii. Describe the **FIVE (5)** symptoms of a computer infected by malware. (5 marks)
- (b) Identify and briefly explain **FOUR (4)** different Radio Frequency Identification (RFID) usages. (10 marks)

Question 4

- (a) List and describe **FIVE (5)** examples of *pointing devices*. (10 marks)
- (b) Identify and explain **FOUR (4)** components of *system unit* in a computer. (10 marks)

~THE END~

ICT1100(F) January/February 2016