FINAL
Examination Paper

(COVER PAGE)

Session : August 2014

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

Course : ICT1100 : Principles Of Information Technology

Date of Examination : December 5, 2014

Time : 3:00pm – 5:00pm  Reading Time: Nil

Duration : 2 Hours

Special Instructions :

Section A : Answer ALL Multiple Choice questions.

Section B : Answer any THREE (3) questions.

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

Materials permitted : Nil

Materials provided : OMR sheets

Examiner(s) : Mr. Tang Yang Tze, Light Lau Teng Lye, Tee Ah Ann, Mahaketchumy Ramakrishnan, Andrew Ho Mun Wah, Melisa Kaur, Tan Kwong Hwee.

Moderator : Mr. Vincent Loh

This paper consists of 6 printed pages, including the cover page.
SECTION A (40 marks)
Instructions: This section consists of TWENTY (20) multiple-choice questions. Answer ALL questions in the OMR sheet provided. All questions carry equal marks.

1. What is the classification of software for Microsoft Windows 8?
   A. Operating system
   B. Utility suite
   C. Mobile application
   D. Application software
   E. None of the above

2. Which of the following software type is TRUE for Microsoft Office 2010?
   A. Software suite
   B. Utility suite
   C. Shareware
   D. Freeware
   E. Malware

3. Which of the following programs is NOT considered as utility?
   A. Web browser
   B. Disk manager
   C. Backup utility
   D. Firewall
   E. Antivirus

4. Which of the following applications requires accounting software?
   A. Business
   B. Education
   C. Entertainment
   D. Communications
   E. None of the above

5. Which of the following functions is NOT true for stand-alone operating system?
   A. Function to control a network
   B. Function to manage memory
   C. Function to provide user interface
   D. Function to manage programs and software
   E. Function to monitor system performance
6. What is the CAD software?
   A. Software for creating multimedia products
   B. Software for creating digital photographs
   C. Software for creating Web applications
   D. Software for creating 3-D models
   E. None of the above

7. What is GUI in computing terminology?
   A. A type of software package
   B. A type of computer device
   C. A type of hardware standard
   D. A type of user interface
   E. None of the above

8. Which of the following items is NOT a type of system performance?
   A. CPU usage
   B. Memory usage
   C. Network activities
   D. Virus activities
   E. Programs and processes

9. Which of the following computers is NOT a personal computer?
   A. Mobile computer
   B. Desktop computer
   C. Mobile device
   D. Embedded computer
   E. Game console

10. Which of the following events is related to impact on environment?
    A. Changes in workforce
    B. Privacy on social networks
    C. Growth of computer crime
    D. Increase of computer waste
    E. None of the above

11. Which of the following data representations is correct?
    A. Eight bits represent one byte
    B. Eight bytes represent one bit
    C. Sixteen bits represent one byte
    D. Sixteen bytes represent one bit
    E. One bit represents one byte
12. What is ASCII?
   A. A type of encoding system
   B. A type of port interface
   C. A type of input device
   D. A type of output device
   E. None of the above

13. Which of the following devices is NOT a pointing device?
   A. Mouse
   B. Keypad
   C. Touchpad
   D. Stylus
   E. Trackball

14. Which of the following advantages is FALSE for a laser printer?
   A. Fast printing
   B. Less maintenance cost
   C. Better printing quality
   D. Less noisy
   E. All the above

15. What is a cluster in the hard disk?
   A. A group of platters
   B. A group of sectors
   C. A group of tracks
   D. A group of partitions
   E. None of the above

16. What is the standard storage capacity for a DVD?
   A. 650 MB
   B. 4.7 GB
   C. 25 GB
   D. 1.0 TB
   E. Much greater

17. What is the approximate number of bytes for one TERABYTE (TB)?
   A. 1,000,000
   B. 1,000,000,000
   C. 1,000,000,000,000
   D. 1,000,000,000,000,000
   E. None of the above
18. What is the right technique for handling unauthorized access over Internet?

A. Antivirus
B. Encryption
C. Activation key
D. Recovery utility
E. Authentication

19. Which of the following actions is NOT considered as computer crime?

A. Hacking
B. Sending malware
C. Information theft
D. Software piracy
E. None of the above

20. What is information privacy?

A. Protection of copyright
B. Protection of property
C. Correctness of information
D. Ownership of creation
E. Ownership of personal data

SECTION B (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) Identify FIVE (5) broad categories of computer users. (5 marks)
(b) Explain FIVE (5) advantages of using computers in business operations. (15 marks)

Question 2
(a) Explain the TWO (2) main units of the processor. (6 marks)
(b) Identify FIVE (5) types of basic components on the motherboard. (5 marks)
(c) Describe THREE (3) basic types of memory in computers. (9 marks)
Question 3

(a) Identify and explain TWO (2) primary input devices of a desktop computer. (6 marks)

(b) Suggest FIVE (5) different types of biometric input. (5 marks)

(c) Describe the monitor, scanner and projector. (9 marks)

Question 4

(a) Describe THREE (3) common types of portable mass storage for computer users. (12 marks)

(b) Explain the ethical issues and health issues related to misuse of computers. Give examples to support your explanation. (8 marks)

-- THE END --

ICT1100 (F)/August 2014 session