



FINAL
Examination Paper

(COVER PAGE)

Session : August 2012

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 13, 2012

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

Duration : 2 Hours

Special Instructions :

Section A : Answer ALL Multiple Choice questions.

Section A : Answer any THREE (3) questions.

Materials permitted : _____
Nil

Materials provided : _____
OMR sheets

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Moderator : Dr. Ahmad Suhaimi Baharudin

This paper consists of 7 printed pages, including the cover page.

INTI COLLEGE PENANG/SARAWAK/SABAH

DIPLOMA IN BUSINESS

ICT1100:PRINCIPLES OF INFORMATION
FINAL EXAMINATION: AUGUST2012 SESSION

Section A (40 marks)

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

- 1) The number system that has just two unique digits, 0 and 1, is called _____.
 - (a) decimal system
 - (b) bite system
 - (c) byte system
 - (d) binary system
 - (e) digital system

- 2) A _____ computer resembles a letter-sized slate that allows you to write or draw on the screen using a digital pen.
 - (a) mobile
 - (b) tablet
 - (c) freestanding
 - (d) notebook
 - (e) desktop

- 3) A(n) _____ is a website that allows users to access and interact with software from any computer or device that is connected to the Internet.
 - (a) freeware
 - (b) shareware
 - (c) public-domain software
 - (d) web application
 - (e) open source software

- 4) Spreadsheet software allows users to _____.
 - (a) organize data in rows and columns
 - (b) perform calculations
 - (c) recalculate when data changes
 - (d) chart the data
 - (e) All of the above.

- 5) The number of bits the processor can interpret and execute at a given time is known as _____.
- (a) Processor speed
 - (b) Word size
 - (c) System clock
 - (d) Access time
 - (e) Instruction cycle time
- 6) The greater the number of the transistors in a processor chip, the _____ the chip.
- (a) less complex but more powerful
 - (b) more complex but less powerful
 - (c) more complex and powerful
 - (d) less complex and powerful
 - (e) None of the above.
- 7) A(n) _____ has a design that reduces the chance of wrist and hand injuries.
- (a) gaming keyboard
 - (b) cordless keyboard
 - (c) function key
 - (d) ergonomic keyboard
 - (e) compact keyboard
- 8) RFID is a technology that uses _____ to communicate with a tag placed in or attached to an object, an animal, or a person.
- (a) pixels
 - (b) radio signals
 - (c) light waves
 - (d) a thin wire
 - (e) sound waves
- 9) Because of their reasonable cost and letter quality print, _____ printers have become the most popular type of color printers for home users.
- (a) thermal
 - (b) line
 - (c) ink jet
 - (d) laser
 - (e) dot matrix
- 10) A nonimpact printer _____
- (a) forms characters and graphics on a piece of paper without actually striking the paper.
 - (b) is used for economical printing of receipts because no ink is required
 - (c) includes inkjet, thermal and line printers
 - (d) is required for printouts that makes use of carbon copy printing paper.
 - (e) None of the above.

- 11) The time to position the read/write head over the storage track is called _____.
- (a) rounds per minute
 - (b) seek time
 - (c) access time
 - (d) read/write time
 - (e) rotational time
- 12) Users subscribe to a cloud storage service to _____.
- (a) allow others to access their files
 - (b) store offsite backups of data
 - (c) access files from any computer or device with Internet access
 - (d) reduce storage requirements on their personal computers
 - (e) All of the above.
- 13) Defragmenting reorganizes the files on a disk so that they are located in _____ access time.
- (a) noncontiguous sectors, which slows
 - (b) contiguous sectors, which slows
 - (c) contiguous sectors which speeds
 - (d) noncontiguous sectors, which speeds
 - (e) None of the above.
- 14) _____ typically resides on the ROM chip of a handheld computer and has limited hardware and software resources.
- (a) Embedded Operating System
 - (b) Network Operating System
 - (c) Stand-alone Operating System
 - (d) Internet Operating System
 - (e) Client Operating System
- 15) _____ is a utility that detects and protects a personal computer from unauthorized intrusions.
- (a) Sleep mode
 - (b) Windows Explorer
 - (c) Hibernate mode
 - (d) Automatic updates
 - (e) Windows Firewall
- 16) A(n) _____ is a program that warns or blocks you from potentially fraudulent or suspicious Web sites.
- (a) phishing filter
 - (b) adware remover
 - (c) trojan horse
 - (d) web filter
 - (e) firewall

- 17) A _____ is an assault whose purpose is to disrupt computer access to an Internet service such as the Web or e-mail.
- (a) denial of service attack
 - (b) zombie
 - (c) trojan horse
 - (d) virus hoax
 - (e) phishing attack
- 18) Physical access controls, such as locked doors and windows, usually are adequate to protect against _____.
- (a) hardware theft
 - (b) software piracy
 - (c) unauthorized access
 - (d) password cracking
 - (e) All of the above.
- 19) The goal of _____ is to incorporate comfort, efficiency, and safety into the workplace.
- (a) e-commerce
 - (b) platform configuration
 - (c) ergonomics
 - (d) hosting
 - (e) system security
- 20) Which of the following is not a symptom of computer addiction?
- (a) Craves computer time
 - (b) Unable to stop computer activity
 - (c) Neglects family and friends
 - (d) Problems at work or school
 - (e) None of the above

Section B

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

Question 1

- (a) Identify at least **FOUR (4)** elements of an information system. (4 marks)
- (b) Describe each of the following:- (6 marks)
- (i) Custom software
 - (ii) Open source software
 - (iii) Shareware
- (c) You are setting up a medium-sized business in town, you are well aware that computer and its related technologies can provide a competitive advantage to your business.
- (i) Identify and describe any **TWO (2)** categories of computers your business can use. (4 marks)
 - (ii) Identify any **TWO (2)** common types of application software your business can use. (2 marks)
 - (iii) How would the computer and its related technologies help in your business? Discuss any **TWO (2)** points (4 marks)

Question 2

- (a) What is the difference between volatile and nonvolatile memory in a system unit? (5 marks)
- (b) What are expansion slots and adapter cards? Describe them. (4 marks)
- (c) What is biometric input? List **TWO (2)** examples of biometric input types. (5 marks)
- (d) Describe the following types of scanner input technology. (6 marks)
- (i) OMR
 - (ii) OCR
 - (iii) MICR

Question 3

- (a) Define what an output device is and list **ONE (1)** example of an output device. (3 marks)
- (b) Explain the purpose of formatting a storage device. (3 marks)
- (c) Describe the following types of output technologies.
(i) Data projector
(ii) Interactive whiteboard
(iii) Tactile output (6 marks)
- (d) Describe **TWO (2)** advantages for hard disks and **TWO (2)** advantages for solid state drives. (8 marks)

Question 4

- (a) Define the term operating system and provide **TWO (2)** examples of operating systems. (4 marks)
- (b) Describe the function of the following operating system utilities.
(i) Disk defragmenter
(ii) File manager
(iii) Restore utility
(iv) Backup utility (8 marks)
- (c) Based on the End User License Agreement (EULA) also known as a single-user license agreement, describe **TWO (2)** actions that users are permitted to do and **TWO (2)** actions that users are not permitted to do. (8 marks)

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