



**INTI**  
INTERNATIONAL COLLEGE PENANG (507232-U)  
LAUREATE INTERNATIONAL UNIVERSITIES

FINAL  
Examination Paper

(COVER PAGE)

Session : JANUARY 2012

Programme : DIPLOMA IN INFORMATION TECHNOLOGY

Course : CSC1112: APPLICATIONS OF COMPUTERS

Date of Examination : 5 March 2012

Time : 2p.m. – 4p.m. Reading Time : Nil

Duration : 2 Hours

Special Instructions :

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

Materials permitted :

Nil

Materials provided :

Examiner(s) : Light Lau Teng Lye

Moderator : Koh Chong Lin

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

## INTI INTERNATIONAL COLLEGE PENANG

CSC1112: APPLICATIONS OF COMPUTERS  
FINAL EXAMINATION: JANUARY 2012 SESSION**Section A**

Instructions: This section consists of 20 questions. Answer ALL questions in the OMR sheet provided.

- 1) \_\_\_\_\_ refers to the programs that manage computer resources at a low level.
  - (A) Application software
  - (B) System software
  - (C) Shareware
  - (D) Freeware
  - (E) Hardware
  
- 2) \_\_\_\_\_ performs mathematical calculation and logical comparison.
  - (A) Control Unit
  - (B) Register
  - (C) ALU
  - (D) RAM
  - (E) ROM
  
- 3) Which of the following represents a larger amount of data?
  - (A) Kilo Byte (KB)
  - (B) Giga Byte (GB)
  - (C) Mega Bye (MB)
  - (D) Tera Byte (TB)
  - (E) Nano Byte (NB)
  
- 4) Most software used to run on a personal computer uses a \_\_\_\_\_ license.
  - (A) site
  - (B) network
  - (C) single user
  - (D) multi user
  - (E) share user
  
- 5) A(n) \_\_\_\_\_ is a field or set of fields that uniquely identifies a database record.
  - (A) entity
  - (B) attribute
  - (C) foreign key
  - (D) data item
  - (E) primary key
  
- 6) A telecommunication device that connects one LAN to another LAN using the same telecommunication protocol is called \_\_\_\_\_.
  - (A) gateway
  - (B) highway
  - (C) router
  - (D) switch
  - (E) bridge

- 7) A network that supports the interconnection of information technology within a short distance is called \_\_\_\_\_.  
(A) Personal Area Network (PAN)  
(B) Local Area Network (LAN)  
(C) Metropolitan Area Network (MAN)  
(D) Wide Area Network (WAN)  
(E) Internal Area Network (IAN)
- 8) \_\_\_\_\_ consists of the buying and selling of products or services over electronic systems such as the Internet and other computer networks.  
(A) Multimedia commerce  
(B) E-transit  
(C) E-commerce  
(D) Multidimensional  
(E) Advanced business
- 9) Each computer on the Internet has an address called \_\_\_\_\_.  
(A) HTML  
(B) XML  
(C) XHTML  
(D) URL  
(E) CSS
- 10) Which of the following affiliation ID is **MISMATCHED**?  
(A) com – business site  
(B) gov – government site  
(C) net – networking site  
(D) org – organization site  
(E) edu – educational site
- 11) A form of e-commerce in which customers deal directly with an organization and bypass the intermediaries.  
(A) B2C  
(B) B2B  
(C) C2C  
(D) C2G  
(E) None of the above
- 12) The Decision Support System (DSS) has which of the following characteristic(s)?  
(A) Provide rapid access to information.  
(B) Handle large amounts of data from different sources.  
(C) Perform simulation analysis  
(D) Perform complex and advanced analysis  
(E) All of the above
- 13) What is **NOT** an important attribute for artificial intelligence system?  
(A) Ability to understand visual image  
(B) Ability to be creative  
(C) Ability to calculate complex formula  
(D) Both (A) & (B)  
(E) Both (B) & (C)

- 14) \_\_\_ is branch of artificial intelligence involve computer understanding and reacting to statement in English?
- (A) Expert system
  - (B) Neural network
  - (C) Vision system
  - (D) Natural language processing
  - (E) Robotic
- 15) Which part of Expert System store data, rules, cases and relationships?
- (A) Knowledge base
  - (B) Data interface
  - (C) Database Management System
  - (D) Acquisition facility
  - (E) None of the above
- 16) 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) virus
  - (B) trojan horse
  - (C) worm
  - (D) anti-virus
  - (E) bacteria
- 17) The followings are ways to prevent unauthorized computer access, **EXCEPT** \_\_\_\_.
- (A) Using fingerprint authentication device
  - (B) Using anti-virus software
  - (C) Using the intrusion detection software
  - (D) Using the security dashboard
  - (E) Using the firewall software
- 18) The followings are computer crimes, **EXCEPT** \_\_\_\_.
- (A) Identify theft
  - (B) Cyberterrorist
  - (C) Craker
  - (D) Hacker
  - (E) None of the above
- 19) The \_\_\_ is the heart of the Operating System & control most of computer critical process.
- (A) Kennel
  - (B) Kernel
  - (C) Core Unit
  - (D) Control Unit
  - (E) Kannel
- 20) Computers represent information in \_\_\_\_, written as sequences of “0” and “1”.
- (A) binary format
  - (B) decimal format
  - (C) analog format
  - (D) Both (a) and (b)
  - (E) Both (a) and (c)

**Section B**

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) Explain the **FOUR (4)** steps in machine cycle with the aid of diagram (10 marks)
- (b) List and explain **FIVE (5)** elements of an information system. (10 marks)

**Question 2**

- (a) Briefly explain **FIVE (5)** social and ethics issues implication of computer technology. (10 marks)
- (b) Suggest **FIVE (5)** methods to prevent computer virus infection. (5 marks)
- (c) Differentiate between Intranet and Extranet. (5 marks)

**Question 3**

- (a) List and explain **FIVE (5)** types of telecommunication devices. (10 marks)
- (b) Explain **FOUR (4)** advantages of Electronic-commerce (e-commerce) in business. (10 marks)

**Question 4**

- (a) Differentiate between Batch processing system and Online transaction system. (5 marks)
- (b) List out **FIVE (5)** disadvantages of Enterprise Resource Planning (ERP) system. (5 marks)
- (c) Explain **FIVE (5)** components of Expert Systems. (10 marks)

**--THE END--**

CSC1112(F)/Jan2012/ ver 1.1