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INTERNATIONAL COLLEGE PENANG (507232-U)  
LAUREATE INTERNATIONAL UNIVERSITIES

FINAL  
Examination Paper

(COVER PAGE)

Session : APRIL 2013

Programme : DIPLOMA IN INFORMATION TECHNOLOGY

Course : CSC1112: APPLICATIONS OF COMPUTERS

Date of Examination : 3 August 2013

Time : 11a.m. – 1p.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 :

OMR SHEET

Examiner(s) :

Light Lau Teng Lye

Moderator :

Ooi Kok Keong

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

## INTI INTERNATIONAL COLLEGE PENANG

CSC1112: APPLICATIONS OF COMPUTERS  
FINAL EXAMINATION: APRIL 2013 SESSION**Section A**

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

- 1) A telecommunication device that connects one LAN to another LAN using the same telecommunication protocol is called \_\_\_\_\_.
  - (A) gateway
  - (B) highway
  - (C) router
  - (D) bridge
  - (E) switch
  
- 2) A network that supports the interconnection of information technology within a big city is called \_\_\_\_\_.
  - (A) Wide Area Network (WAN)
  - (B) Local Area Network (LAN)
  - (C) Metropolitan Area Network (MAN)
  - (D) Internal Area Network (IAN)
  - (E) Personal Area Network (PAN)
  
- 3) Which of the following represents a larger amount of data in computing?
  - (A) Kilo Byte (KB)
  - (B) Tera Byte (TB)
  - (C) Mega Bye (MB)
  - (D) Giga Byte (GB)
  - (E) Nano Byte (nB)
  
- 4) Which of the following affiliation ID is **MISMATCHED**?
  - (A) org – organization site
  - (B) net – networking site
  - (C) com – business site
  - (D) gov – government site
  - (E) edu – educational site
  
- 5) A(n) \_\_\_\_\_ is a field or set of fields that uniquely identifies a database record.
  - (A) primary key
  - (B) attribute
  - (C) foreign key
  - (D) record
  - (E) entity
  
- 6) \_\_\_\_\_ refers to the programs that manage computer resources at a low level.
  - (A) Firmware
  - (B) Freeware
  - (C) Shareware
  - (D) System software
  - (E) Hardware

- 7) \_\_\_\_\_ performs mathematical calculation and logical comparison.
- (A) Control Unit
  - (B) Ports
  - (C) ROM
  - (D) RAM
  - (E) ALU
- 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) m-Commerce
  - (C) Advanced business
  - (D) Multidimensional
  - (E) E-commerce
- 9) Each computer on the Internet has an address called \_\_\_\_\_.
- (A) HTML
  - (B) XML
  - (C) XHTML
  - (D) CSS
  - (E) URL
- 10) Most software used to run on a personal computer uses a \_\_\_\_\_ license.
- (A) single user
  - (B) network
  - (C) stand alone
  - (D) multi user
  - (E) share user
- 11) A form of e-commerce in which customers deal directly with an organization and bypass the intermediaries.
- (A) B2B
  - (B) B2C
  - (C) C2C
  - (D) C2G
  - (E) None of the above
- 12) The followings are computer crimes, **EXCEPT** \_\_\_\_\_.
- (A) Identify theft
  - (B) Cyberterrorist
  - (C) Craker
  - (D) Hacker
  - (E) None 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) The \_\_\_ is the heart of the Operating System & control most of computer critical process.
- (A) Kennel
  - (B) Control Unit
  - (C) Core Unit
  - (D) Kernel
  - (E) Kannel
- 15) Which part of Expert System store data, rules, cases and relationships?
- (A) Acquisition facility
  - (B) Database Management System
  - (C) Data interface
  - (D) Knowledge base
  - (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) worm
  - (B) trojan horse
  - (C) virus
  - (D) anti-virus
  - (E) bacteria
- 17) The followings are ways to prevent unauthorized computer access, **EXCEPT** \_\_\_\_\_.
- (A) Using anti-virus software
  - (B) Using fingerprint authentication device
  - (C) Using the intrusion detection software
  - (D) Using the security dashboard
  - (E) Using the firewall software
- 18) The Decision Support System (DSS) has which of the following characteristic(s)?
- (A) Provide rapid access to information.
  - (B) Perform complex and advanced analysis
  - (C) Perform simulation analysis
  - (D) Handle large amounts of data from different sources.
  - (E) All of the above
- 19) \_\_\_ is branch of artificial intelligence involve computer understanding and reacting to statement in English?
- (A) Machine Language processing
  - (B) Natural language processing
  - (C) Neural network
  - (D) Vision system
  - (E) Robotic
- 20) Computers represent data in \_\_\_\_\_, written as sequences of "0" and "1".
- (A) analog format
  - (B) decimal format
  - (C) binary 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 **FIVE (5)** implication of computer technology in social and ethics. (10 marks)
- (b) Explain **FIVE (5)** elements in an information system. (10 marks)

**Question 2**

- (a) Explain the **FOUR (4)** processes in machine cycle with the aid of diagram. (10 marks)
- (b) Give **FIVE (5)** suggestions to prevent virus infection in computer system. (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)** challenges faced by Electronic-commerce (e-commerce) in business. (10 marks)

**Question 4**

- (a) Explain **FIVE (5)** types of Internet and Web applications. (10 marks)
- (b) Explain **FIVE (5)** components of Expert Systems. (10 marks)

**--THE END--**

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