



**INTI**

INTERNATIONAL COLLEGE PENANG (507232-U)

LAUREATE INTERNATIONAL UNIVERSITIES

FINAL  
Examination Paper

(COVER PAGE)

Session : AUGUST 2016

Programme : CERTIFICATE IN BUSINESS STUDIES

Course : CSC1010: BASICS OF MANAGING INFORMATION

Date of Examination : 7 December 2016 (Wednesday)

Time : 8:00am - 10:00am Reading Time : Nil

Duration : 2 Hours

Special Instructions :

This paper consists of THREE (3) sections.

Section A: Answer ALL questions in the OMR sheet provided. Section B: Answer ALL questions.

Section C: Answer THREE (3) out of FOUR (4) questions.

Materials permitted :

Nil

Materials provided :

Nil

Examiner(s) : Light Lau Teng Lye

Moderator : Dr. Vincent Khoo

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

INTI INTERNATIONAL COLLEGE PENANG  
CERTIFICATE IN BUSINESS STUDIES (CBSI)  
**CSC1010: BASICS OF MANAGING INFORMATION**  
FINAL EXAMINATION: AUGUST 2016 SESSION

**Section A (40%)**

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

- 1) A telecommunication device that connects two otherwise incompatible networks (public or private), network nodes, or devices is called \_\_\_\_\_.
  - (A) gateway
  - (B) highway
  - (C) router
  - (D) bridge
  - (E) switch
  
- 2) A network that interconnects computers and communications devices within an office 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 smaller amount of data in computing?
  - (A) Kilo Byte (KB)
  - (B) Tera Byte (TB)
  - (C) Mega Bye (MB)
  - (D) Giga Byte (GB)
  - (E) Mini Byte (mB)
  
- 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) \_\_\_\_\_ license allows you to copy and use the software on multiple computers at one site and is more expensive than purchasing a single copy of software.
- (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) White hat 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 an 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 that involves 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 (30%)** Answer all. The following words are the answers for section B questions

Trojan horse	Front-end	Primary storage
Information flow	Biometric Devices	Transaction Processing Systems
Sequential	Entity	Protocol
Attribute	Input device	Microwave
Secondary storage	Programmer	Screen resolution

- 1) \_\_\_\_\_ refers to the physical equipment which data are entered into a computer for processing, storage and retrieval, or transmission.
- 2) \_\_\_\_\_ within a business may be within or between workgroups, within or between departments, or within or outside the business.
- 3) Primary storage which is temporary storage, is dependent upon continuous electrical power.
- 4) A device translates a personal characteristic into a digital code that compared with the digital code stored in computer is called \_\_\_\_\_.
- 5) \_\_\_\_\_ CASE tool refers to tools that automates the early (front-end) activities in systems development.
- 6) A shared business information system that uses a combination of information technology and manual procedures to process data and information and to manage transactions is called \_\_\_\_\_.
- 7) \_\_\_\_\_ refers to the number of pixels that can be displayed on a screen at one time.
- 8) \_\_\_\_\_ use programming languages to create computer and communications network software.
- 9) \_\_\_\_\_ also called auxiliary storage, stores data not currently being processed by the computer and represents permanent storage.
- 10) \_\_\_\_\_ refers to a person, place, thing, event, or condition about which data and information are collected.
- 11) \_\_\_\_\_ refers to a category of data or information that describes an entity.

- 12) \_\_\_\_\_ station refers to a cableless medium that uses high-frequency radio signals to send data or information through the air.
- 13) \_\_\_\_\_ refers to set of rules and procedures for exchanging information among computers.
- 14) \_\_\_\_\_ file refers to records that are organized one after the other and each record must be scanned to until the desired record is located.
- 15) \_\_\_\_\_ refers to a program that performs a useful task while at the same time carrying out some secret destructive act.

**Section C (30%)** Answer **THREE (3)** out of **FOUR (4)** questions.

- Q1) Briefly explain **FOUR (4)** types of conversion strategies used in the implementation stage of SDLC. Identify **ONE (1)** disadvantage of each strategy. (10 marks)
- Q2) Briefly explain **FIVE (5)** stages of System Development Life Cycle. (10 marks)
- Q3) Briefly explain **FOUR (4)** types of network topologies. Identify **ONE (1)** disadvantage of each network topology. (10 marks)
- Q4) Identify and explain **FIVE (5)** advantages of using the Database Approach to handle organization information. (10 marks)