



FINAL
Examination Paper

(COVER PAGE)

Session : JANUARY 2018

Programme : CERTIFICATE IN BUSINESS STUDIES (CBSI)

Course : **CSC1010: BASICS OF MANAGING INFORMATION**

Date of Examination : 6 March 2018 (Tuesday)

Time : 11:00AM – 1:00PM 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 in answer booklet.

Section C: Answer any **THREE(3)** out of the Four questions in the answer booklet provided

Materials permitted :

Non-Programmable Calculator

Materials provided :

OMR & Answer booklet

Examiner(s) : **Mr. Light Lau Teng Lye**

Moderator : **Dr. Vincent Khoo**

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

INTI INTERNATIONAL COLLEGE
CSC1010: BASICS OF MANAGING INFORMATION
FINAL EXAMINATION: JANUARY 2018 SESSION

Section A (40%): Answer all.

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 data storage space represents a largest 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 following terms refer to 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 capable of duplicating itself on infected computer, consuming computer resources and sending 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 enabling 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 questions in the answer booklet. Fill in the blank with the answers provided.

Input Function	Network	Million	Output device
Input device	Programmers	Ring	Output Function
Star	Information System	Bridge	Mesh
Client computer	Sequential	Billion	Server computer
Query-By-Example (QBE)		Random	Process Function

- 1) An _____ is a collection of components that work together to provide information for the operations and management of an organization.
- 2) _____ accepts the input data from outside the system.
- 3) _____ produces results of processing for use outside the system.
- 4) A _____ is a collection of computers and related equipment connected using communications equipment so that they can communicate with each other.
- 5) One MHz is one _____ cycles per second.
- 6) _____ refers to the physical equipment which data are entered into a computer for processing, storage and retrieval, or transmission.

- 7) _____ refers to the computer hardware that produce the results of inputting and processing data and information.
- 8) _____ use programming languages to create computer and communications network software.
- 9) _____ refers to the computer that accesses the information stored on a server computer.
- 10) A _____ topology is designed with each node (file server, workstations, and peripherals) connected directly to a central network hub or concentrator.
- 11) The _____ topology is one which the network is setup in a loop where data is passed from one workstation to another.
- 12) A _____ refers to a device that interconnects compatible LANs using the same protocol.
- 13) A _____ refers to a 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 until the desired record is located.
- 15) _____ is a graphical approach to query languages in a database management system.

Section C (30%):

Instruction: Answer any **THREE (3)** out of **FOUR (4)** questions in answer booklet.

- Q1) Briefly explain **FIVE (5)** types of Information Systems used in business. (10 marks)
- Q2) Briefly explain **FIVE (5)** stages of System Development Life Cycle. (10 marks)
- Q3) Identify and explain **FIVE (5)** advantages of using the Database Approach to handle organization information. (10 marks)
- Q4a) Differentiate between Data and Database Management System (DBMS). (5 marks)
- Q4b) Differentiate between single user and multi-user systems in an organization. (5 marks)

~THE END~