

**INTI**  
International College Penang  
LAUREATE INTERNATIONAL UNIVERSITIES\*

**FINAL**  
Examination Paper

(COVER PAGE)

Session : August 2017

Programme : Foundation in Science (CFSI)

Course : CSC1214: Basic Computing

Date of Examination : 8 December 2017 (Friday)

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

Duration : 2 Hours

**Special Instructions** :

This paper consists of **TWO (2)** sections.

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

**Section B:** Answer any **THREE (3)** questions in the answer booklet provided.

Materials permitted :

Nil

Materials provided :

OMR Sheet

Examiner(s) : Neesha A/P Jothi

Moderator : Dr. Vincent Khoo Kay Teong

*This paper consists of 10 printed pages, including the cover page*

INTI INTERNATIONAL COLLEGE PENANG  
FOUNDATION IN SCIENCE PROGRAMME (CFSI)  
CSC 1214: BASIC COMPUTING  
FINAL EXAMINATION: AUGUST 2017 SESSION

**Instructions:** This paper consists of TWO (2) sections. **SECTION A** consists of TWENTY-FIVE (25) multiple choice questions. **SECTION B** consists of FOUR (4) essay questions. All questions in the two respective sections carry equal marks.

**SECTION A (25 marks)**

1. \_\_\_\_\_ property refers to the ownership of certain types of information, ideas, or representations.
  - A. Digital
  - B. Intellectual
  - C. Online
  - D. Licensed
  
2. Any software or digital device that requests data from a server is referred to as a(n) \_\_\_\_\_.
  - A. Minicomputer
  - B. Client
  - C. Mainframe
  - D. Terminal
  
3. A prefix which refers to a million bytes of storage is \_\_\_\_\_.
  - A. Kilo
  - B. Giga
  - C. Mega
  - D. Tera
  
4. Of all the methods of stealing passwords, which one has a legitimate use (by network administrators) and an illegitimate use (for intercepting your passwords when it is sent over a computer network)?
  - A. Sniffing
  - B. Phishing
  - C. Keylogging
  - D. Brute force attack

5. Which of the following weighs 2 pounds and lacks a physical keyboard?
- A. Ultra-mobile PC
  - B. Notebook computer
  - C. Tablet computer
  - D. Gaming PC
6. A computer stores its basic hardware settings in \_\_\_\_\_.
- A. ROM
  - B. RAM
  - C. RIMM
  - D. EEPROM
7. \_\_\_\_\_ access is the ability of a device to “jump” directly to the requested data.
- A. Sequential
  - B. Random
  - C. Flash
  - D. Transfer
8. The printer used for “back-office” applications are a(n) \_\_\_\_\_ printer.
- A. Ink jet
  - B. Dot matrix
  - C. Laser
  - D. Thermal transfer
9. Copyrights software which is marketed under a “try before you buy” policy is known as \_\_\_\_\_.
- A. Freeware
  - B. Shareware
  - C. Open source
  - D. Public domain
10. A(n) \_\_\_\_\_ value is a unique number derived from encoding one or more data sets, such as names, serial numbers, and validation codes.
- A. Zip
  - B. Hash
  - C. Source
  - D. Executable

11. A computer under the control of a bad bot is sometimes referred to as a \_\_\_\_\_.  
A. Multi-partite virus  
B. Zombie  
C. Stealth virus  
D. Trojan horse
12. \_\_\_\_\_ provides process and memory management services that allow two or more tasks, jobs, or programs to run simultaneously.  
A. Multitasking  
B. Multithreading  
C. Networking  
D. Multiprocessing
13. A network \_\_\_\_\_ is a device that links two or more nodes of a wired network.  
A. Root  
B. Home  
C. Network  
D. Shared
14. A domain that ends with an extension that is restricted to Malaysia government agencies is \_\_\_\_\_.  
A. Gov.my  
B. Net.my  
C. Edu.my  
D. Org.my
15. The Internet access type that requires a computer located within three miles of local telephone switch is/are \_\_\_\_\_.  
A. ISDN  
B. DSL  
C. Satellite  
D. Both A and B
16. \_\_\_\_\_ is a file sharing protocol that distributes the role of file server across a collection of dispersed computers.  
A. BitTorrent  
B. ARPANET  
C. ISDN  
D. VoIP

17. A popular digital audio format that has good sound quality even when the file is compressed has an extension of \_\_\_\_.
- A. .aif
  - B. .mp3
  - C. .wav
  - D. .ra
18. All the following companies are included in the IT industry except \_\_\_\_.
- A. Equipment manufacturers
  - B. Accountants
  - C. Software publishers
  - D. Chipmakers
19. What file extension does an HTML document have?
- A. .ppt
  - B. .html
  - C. .htm
  - D. Both B and C
20. A collection of computers and related devices, connected in a way that allows them to share data, hardware and software.
- A. Computer network
  - B. Software
  - C. Dictionary attack
  - D. Supercomputer
21. Which one of the following passwords is the most secure?
- A. IMGR8 because it contains letters and numbers and is not a word in a dictionary.
  - B. J&Jw^th! because it contains eight characters of both uppercase and lowercase letters and special characters.
  - C. Tom9978 because it mixes your name with the last four digits of your Social Security number.
  - D. TomJones because it mixes uppercase and lowercase and is the same as the user name assigned to you by the system administrator.
22. ASCII, EBCDIC, and Unicode are examples of: \_\_\_\_.
- A. Classifications used for different types of computers.
  - B. Microprocessor chips designed for use in personal computers.
  - C. Ways that character data is stored by a computer.
  - D. Security systems used to prevent viruses and identity theft.

23. Examples of storage medium include all the following, except: \_\_\_\_.
- A. Monitors and printers
  - B. Floppy disks and hard disks
  - C. CDs and DVDs
  - D. Tape and PC cards
24. Assume you are entering text in the last row and last column of a Word table. What happens when you press the TAB key?
- A. A tab character will be inserted
  - B. The cursor will move to the previous cell
  - C. A new blank row will be added to the bottom of the table
  - D. The cursor will move to the next cell
25. The Print Preview toolbar icon \_\_\_\_\_.
- A. Reduces the display size to show how the document will appear when printed
  - B. Prints the document without page break
  - C. Saves the document in a Print format
  - D. Displays statistic about the document – number of pages, number of words, etc

**SECTION B:** Answer any **THREE (3)** Questions only.

**Question 1**

- (a) Define the following terms:
  - (i) Computer
  - (ii) Data
  - (iii) Information(6 marks)
  
- (b) List FIVE (5) functions of an operating system. (5 marks)
  
- (c) Explain the FIVE (5) components of a computer. (10 marks)
  
- (d) Provide TWO (2) advantages of using computers and TWO (2) disadvantages of using computers. (4 marks)

**Question 2**

- (a) Define the following terms:
  - (i) Chat room
  - (ii) VoIP (Voice over IP)
  - (iii) Newsgroup
  - (iv) File Transfer Protocol (FTP)
  - (v) Instant messaging (IM)(10 marks)
  
- (b) Discuss the differences between volatile and nonvolatile memory with appropriate examples. (5 marks)
  
- (c) List FIVE (5) examples of storage media. (5 marks)
  
- (d) List and explain the components of a processor. (5 marks)

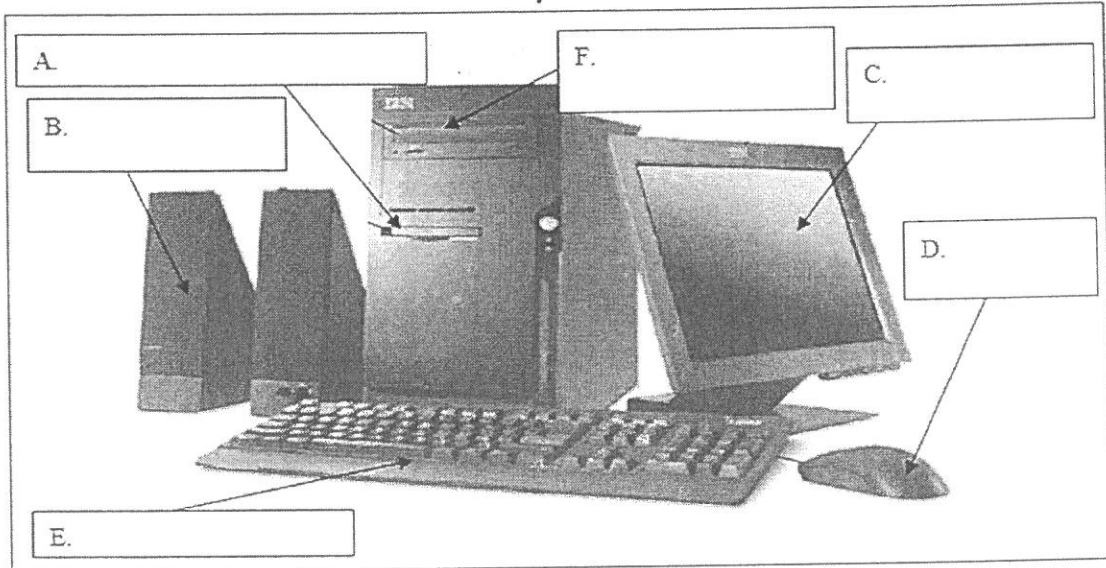
**Question 3**

With the use of a diagram, explain the machine cycle process with relevant examples. (25 marks)

Question 4

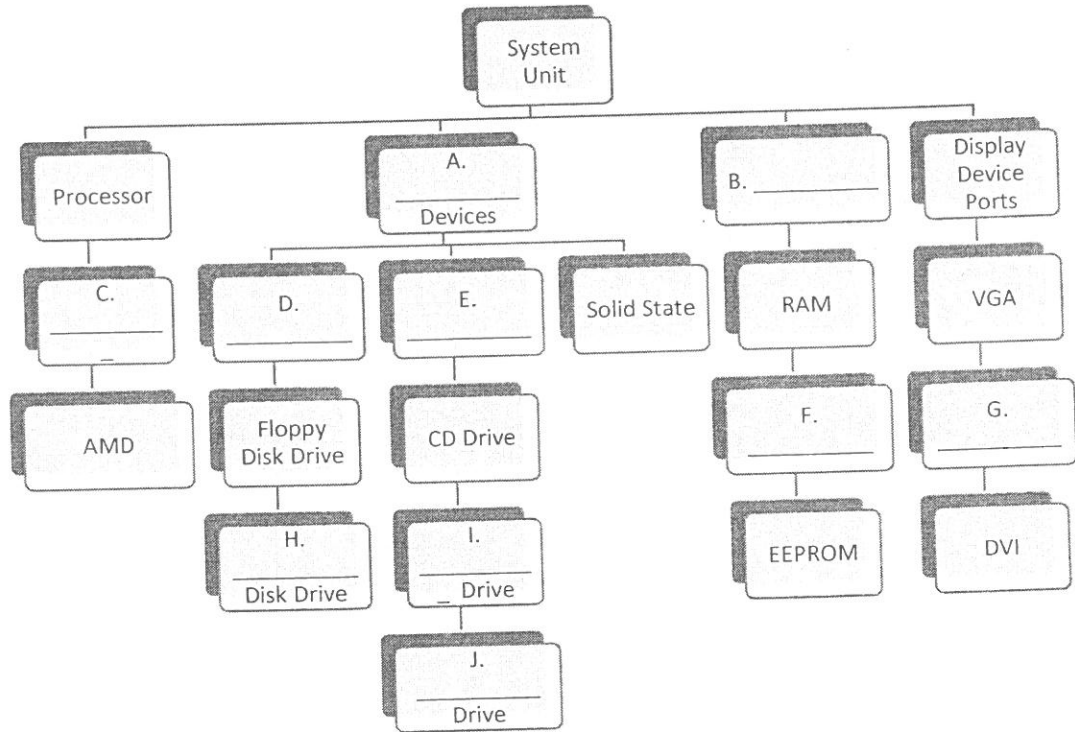
(a) Label the following hardware with the respective device.

(6 marks)



(b) Choose the most suitable answer and fill in the blanks to show the hierarchy of system unit components.

Storage	ROM	Hard	HDMI	Memory
BD	Optical	DVD	Intel	Magnetic



- A. \_\_\_\_\_
- B. \_\_\_\_\_
- C. \_\_\_\_\_
- D. \_\_\_\_\_
- E. \_\_\_\_\_
- F. \_\_\_\_\_
- G. \_\_\_\_\_
- H. \_\_\_\_\_
- I. \_\_\_\_\_
- J. \_\_\_\_\_

(10 marks)

(c) List THREE (3) types of operating system. Provide ONE (1) example for each one of them.

(6 marks)

(d) List any THREE (3) characteristics of valuable information.

(3 marks)

~ **The End** ~  
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