



**INTI**  
International College Penang

**FINAL**  
Examination Paper

(COVER PAGE)

Session : August 2018

Programme : Foundation In Business Information Technology (CFPI)  
Foundation in Science (CFSI)

Course : **CSC1215: Basic Computing**

Date of Examination : 11 December 2018 (Tuesday)

Time : 8:00AM – 10:00AM Reading Time : -

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) : **Syazwina Alias**

Moderator : **Dr. Vincent Khoo**

*This paper consists of 8 printed pages, including the cover page.*

INTI INTERNATIONAL COLLEGE PULAU PINANG  
FOUNDATION IN SCIENCE PROGRAMME (CFSI)  
FOUNDATION IN BUSINESS INFORMATION TECHNOLOGY (CFPI)  
CSC1215: BASIC COMPUTING  
FINAL EXAMINATION: AUGUST 2018 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. When a key is pressed on the keyboard, which standard is used for converting the keystroke into the corresponding bits?
  - A. ANSI
  - B. ASCII
  - C. EBCDIC
  - D. ISO
  
2. ALU of the computer responds to the commands coming from \_\_\_\_\_.
  - A. Primary memory
  - B. External memory
  - C. Cache
  - D. Control unit
  
3. What is the main difference between a mainframe and a super computer?
  - A. Supercomputer is much larger than mainframe computers
  - B. Super computers are much smaller than mainframe computers
  - C. Supercomputers are focused to execute few programs as fast as possible while mainframe uses its power to execute as many program concurrently
  - D. Supercomputers are focused to execute as many programs as possible while mainframe uses its power to execute few programs as fast as possible.
  
4. What produces useful information out of data?
  - A. Processing
  - B. Computer
  - C. Programming
  - D. None of above

5. A \_\_\_\_\_ is a pen like device commonly used with tablet PCs and PDAs.
- A. Stylus
  - B. Mouse
  - C. Joystick
  - D. Scanner
6. Which of the following is NOT the characteristics of a hard disk?
- A. Revolutions per minute
  - B. Access Time
  - C. More Durable
  - D. Transfer Rate
7. A computer cannot 'boot' if it does not have the \_\_\_\_\_.
- A. Compiler
  - B. Operating System
  - C. Assembler
  - D. Loader
8. All of the following are examples of application software EXCEPT:
- A. MS Word
  - B. Excel
  - C. Access
  - D. Windows
9. \_\_\_\_\_ runs on a computer hardware and serve as platform for other software to run on.
- A. Operating system
  - B. Application software
  - C. System software
  - D. All of the above
10. When a computer is first turned on or restarted, a special type of absolute loader called \_\_\_\_\_ is executed.
- A. Relating loader
  - B. Boot loader
  - C. Bootstrap loader
  - D. Compile and Go loader

11. What is the purpose of the operation, support and security phase?
- A. Provide ongoing assistance for an information systems and its users after the system is implemented
  - B. Construct the new or modified system and deliver it
  - C. Conduct preliminary investigation
  - D. None of the above
12. Valuable information should have the following characteristics, EXCEPT:
- A. Accessible
  - B. Verifiable
  - C. Reliable
  - D. Organized
13. What is enterprise resource planning?
- A. The analysis and redesign of workflow within and between enterprises
  - B. A standardised set of activities that accomplish a specific task such as processing a customer's order
  - C. Integrates all departments and functions throughout an organisation into a single IT system so that employees can make decisions by viewing enterprise-wide information on all business operations
  - D. Involves managing all aspects of a customer's relationship with an organisation to increase customer loyalty and retention and an organisation's profitability
14. How can you identify a virus on your computer?
- A. Your computer trips the main power supply
  - B. Your program takes longer to start or run more slowly than usual
  - C. Your computer's temperature increases
  - D. Your computer refuses to switch on
15. \_\_\_\_\_ is a program that hides in a computer or mobile device and allows someone from a remote location to take full control of the computer or device.
- A. A Trojan Horse
  - B. Spyware
  - C. Adware
  - D. A Rootkit

16. An advantage of the database management approach is:
- A. Data is dependent on program
  - B. Data redundancy increases
  - C. Data is integrated and can be accessed by multiple programs
  - D. None of the above
17. A \_\_\_\_\_ defines how users view the organization of the data.
- A. Data Dictionary
  - B. Data Model
  - C. Big Data
  - D. Data Field
18. Which of the following malicious program do not replicate automatically?
- A. Trojan Horse
  - B. Zombie
  - C. Virus
  - D. Worm
19. A tool that graphically shows the connection among entities in the system known as:
- A. Data flow diagram
  - B. Project dictionary
  - C. Use case diagram
  - D. Entity-relationship diagram
20. The fundamental objective of system analysis is to:
- A. Understand computer hardware
  - B. Train managers in mathematical analysis
  - C. Study and understand a complex system and modify it in some way
  - D. Run simulation programs
21. In MS Word, on which page the header or the footer is printed by default?
- A. On first page
  - B. On every page
  - C. On alternate page
  - D. None of the above

22. Which of the following is NOT a font style?
- A. Superscript
  - B. Italics
  - C. Bold
  - D. Underline
23. To create a formula, you can use:
- A. Values but not cell reference
  - B. Cell reference but not values
  - C. Values or cell references although not both at the same time
  - D. Value and cell references
24. In order to preview a motion task effect using the custom animation task pane, you should:
- A. Click the show effect button
  - B. Double click the motion path
  - C. Click the play button
  - D. All of the above
25. Which PowerPoint feature adds special effects to modify the appearance of the slides and the timing between each slide?
- A. Color scheme
  - B. Transition settings
  - C. Animation
  - D. Handouts

**Section B (75 marks)**

Instructions: This section consists of **FOUR (4)** questions. Answer any **THREE (3)** questions in the booklet provided. All questions carry equal marks.

**Question 1**

- a) Define the following terms:
- i. Processor
  - ii. Control Unit
  - iii. Arithmetic Logic Unit
- (6 marks)
- b) Describe the advantages of using computers:
- i. Consistency
  - ii. Reliability
  - iii. Communications
- (6 marks)
- c) Differentiate between OCR device and OMR device.
- (4 marks)
- d) Explain in details with a diagram the **FOUR (4)** basic steps in a machine cycle.
- (9 marks)

**Question 2**

- a) Describe **TWO (2)** learning tools for application software.
- (4 marks)
- b) Identify **FIVE (5)** applications software for communications.
- (5 marks)
- c) Define **Formatting** and list **FOUR (4)** characteristics of hard disk.
- (6 marks)
- d) List **FOUR (4)** advantages of Solid State Drives (SSD) over magnetic hard disks.
- (4 marks)
- e) Identify **SIX (6)** uses of RFID.
- (6 marks)

**Question 3**

- a) Describe the **TWO (2)** types of user interfaces. (4 marks)
- b) Differentiate between a backup utility and a restore utility. (4 marks)
- c) Identify **FOUR (4)** precautions to prevent viruses and other malware. (8 marks)
- d) Describe **SIX (6)** measures to safeguard your personal information. (6 marks)
- e) Define **Cookie** and list **TWO (2)** reasons websites use cookies. (3 marks)

**Question 4**

- a) Describe in details the **FIVE (5)** phases in SDLC. (20 marks)
- b) Define the purpose of Operation, Support and Security phase. (2 marks)
- c) Identify **THREE (3)** major activities in the operation, support and security phase. (3 marks)