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INTERNATIONAL COLLEGE PENANG (507232-U)
LAUREATE INTERNATIONAL UNIVERSITIES

FINAL
Examination Paper

(COVER PAGE)

Session : April 2013

Programme : FOUNDATION IN BUSINESS INFORMATION TECHNOLOGY
PROGRAMME (CFP)

Course : **CSC1208 : BASIC COMPUTING**

Date of Examination : 29 July 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** in the answer booklet provided.

Materials permitted :

Nil

Materials provided :

OMR SHEET

Examiner(s) :

Ooi Kok Keong

Moderator :

Annida Said

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

INTI INTERNATIONAL COLLEGE PENANG
FOUNDATION IN BUSINESS INFORMATION TECHNOLOGY (CFPI)
CSC1208: BASIC COMPUTING
FINAL EXAMINATION: APRIL 2013 SESSION

SECTION A : 25 marks

Instruction: This section consists of **TWENTY-FIVE (25)** questions. Answer **ALL** questions in the OMR sheet provided. All questions carry equal marks.

- 1) Having a current knowledge and understanding of computers and their uses is known as being _____.
 - (a) computer savvy
 - (b) computer literate
 - (c) information literate
 - (d) technology current
 - (e) digitally inclined

- 2) A collection of computers and devices connected together, often wirelessly, via communications devices and transmission media is called a _____.
 - (a) workgroup
 - (b) client
 - (c) newsgroup
 - (d) network
 - (e) groupware

- 3) With spreadsheet software, a _____ is a predefined formula that performs common calculations such as adding the values in a group of cells or generating a value such as the time or date.
 - (a) function
 - (b) script
 - (c) module
 - (d) macro
 - (e) auto

- 4) In a machine cycle, the term _____ refers to the process of translating the instruction into signals the computer can execute.
 - (a) fetching
 - (b) storing
 - (c) executing
 - (d) decoding
 - (e) None of above

- 5) _____ is the number of bits the processor can interpret and execute at a given time.
 - (a) Resolution
 - (b) Dot pitch
 - (c) Word size
 - (d) Byte size
 - (e) Color depth

- 6) The series of instructions that tells a computer what tasks to perform and how to perform them is called a ____.
- (a) command
 - (b) program
 - (c) user response
 - (d) dialog box
 - (e) user interface
- 7) A(n) ____ mouse uses devices that emit and sense light to detect the mouse's movement.
- (a) mechanical
 - (b) wheel
 - (c) cordless
 - (d) optical
 - (e) virtual
- 8) Because of their reasonable cost and letter quality print, _____ printers have become the most popular type of color printers for home users.
- (a) thermal
 - (b) line
 - (c) ink jet
 - (d) laser
 - (e) dot matrix
- 9) The speed of an ink-jet printer is measured by the number of ____ it can print.
- (a) characters per second (cps)
 - (b) pages per minute (ppm)
 - (c) lines per minute (lpm)
 - (d) words per second (wps)
 - (e) None of the above
- 10) A storage medium, also called ____, is the physical material on which a computer keeps data, instructions, and information.
- (a) secondary storage
 - (b) cloud storage
 - (c) firmware
 - (d) online storage
 - (e) pointer
- 11) Scanners capture data from a _____, which is the original form of data.
- (a) Duplicate document
 - (b) Secondary document
 - (c) Derivative document
 - (d) Source document
 - (e) Soft copy document
- 12) Unauthorized and illegal duplication of copyrighted software is called ____.
- (a) software theft
 - (b) macro
 - (c) intellectual property violation
 - (d) IP theft
 - (e) software piracy

- 13 With a(n) _____, users choose which folders and files to include in a backup.
- (a) full backup
 - (b) archival backup
 - (c) three-generation backup
 - (d) selective backup
 - (e) None of above
- 14 One measure you can take to make your personal data more private is: _____.
- (a) purchase goods with credit or checks, rather than cash
 - (b) reply to spam asking to be removed from the mailing list
 - (c) turn on File and Print Sharing on your Internet connection
 - (d) install a cookie manager to filter cookies
 - (e) None of above
- 15 Many of today's computer support _____, which means the computer automatically can configure adapter cards and other peripherals as you install them.
- (a) Pack and Go
 - (b) Pick and Choose
 - (c) Plug and Play
 - (d) Park and Ride
 - (e) Both (c) and (d)
- 16 A _____ gives authors and artists exclusive rights to duplicate, publish, and sell their materials.
- (a) copyright
 - (b) license
 - (c) password
 - (d) firewall
 - (e) encryption
- 17 _____ are the liaison between the users and the IT professionals.
- (a) Systems analysts
 - (b) Project team managers
 - (c) Steering committee members
 - (d) Project leaders
 - (e) Programmer
- 18 The collection and summarization of data and information is called _____.
- (a) documentation
 - (b) information gathering
 - (c) feasibility
 - (d) project management
 - (e) microfilm
- 19 The _____ is chip, which use battery power, store configuration information about the computer.
- (a) RAM
 - (b) POST
 - (c) CMOS
 - (d) ROM
 - (e) None of the above

- 20 Software specifically designed for a certain business or industry is called ____.
- (a) custom software
 - (b) vertical market software
 - (c) horizontal market software
 - (d) trade software
 - (e) Specific software
- 21 ____ is the process of comparing data with a set of rules or values to find out if the data is correct.
- (a) Concatenation
 - (b) Validation
 - (c) Digit checking
 - (d) Integration
 - (e) Logic check
- 22 A major weakness of a lot of file processing systems is that ____.
- (a) they have redundant data and they isolate data
 - (b) they are much more complex than a database
 - (c) data is more vulnerable than data in a database
 - (d) data is more difficult to search
 - (e) all of the above
- 23 When a company uses the ____ approach, many programs and users share the data in a database.
- (a) front-end
 - (b) concatenate
 - (c) database
 - (d) memory based
 - (e) file based
- 24 Because a data dictionary contains details about the data in a database, some call it ____.
- (a) default data
 - (b) beta data
 - (c) meta data
 - (d) query data
 - (e) dictionary data
- 25 A(n) ____ language consists of simple, English-like statements that allow users to specify the data to display, print, or store.
- (a) report
 - (b) specification
 - (c) function
 - (d) micro
 - (e) query

SECTION B : 75 marks

Instruction: 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) Discuss 5 factors that makes computer so powerful? (10 marks)
- (b) Explain **THREE (3)** main factors to determine the quality of CRT monitor. (6 marks)
- (c) By using example(s), explain how secondary storage is different from memory. (6 marks)
- (d) Define the difference between botnets and denial of service attacks. (3 marks)

Question 2

- (a) Define the term “Programming Language”. Explain **TWO (2)** types of low-level languages. (8 marks)
- (b) Define the term “Central Processing Unit”. List and describe **TWO (2)** components in the CPU. (5 marks)
- (c) Define the term “Computer Memory”. List and describe **TWO (2)** types of memory in the system unit. (7 marks)
- (d) Identify & briefly explain the data hierarchy with the aid of diagram. (5 marks)

Question 3

- (a) List and describe any **FIVE (5)** perpetrators of cybercrime. (10 marks)
- (b) Define the difference between a mechanical mouse and an optical mouse. (6 marks)
- (c) What is encryption? Briefly explain **TWO (2)** types of encryption. (9 marks)

Question 4

- (a) List out the steps that involved in PDLC. (12 marks)
- (b) What is *Biometric Input*? Explain **TWO (2)** examples of biometric input. (3 marks)
- (c) Explain **FIVE (5)** categories of information systems. (10 marks)