SLIATE
SRI LANKA INSTITUTE OF ADVANCED TECHNOLOGICAL EDUCATION
(Established in the Ministry of Higher Education, vide in Act No. 29 of 1995)

Higher National Diploma in Accountancy
First year, First Semester Examination – 2017
DA1105-Introduction to Computers

Instructions for Candidates:
Part A is compulsory   No. of questions: 5
 Answer any three from part B   No. of pages: 5
All questions carry equal marks   Time: 2 hours

Part A

Question 01

Select the most appropriate answer

(i) …………………. was used in the second generation computers.
- a. Vacuum tube
- b. Transistor
- c. IC
- d. Bio chips

(ii) Which is the memory component resides inside the central processing unit.
- a. Main memory
- b. Cache memory
- c. Primary memory
- d. Secondary memory

(iii) Programs and data in a computer system are known as
- a. Hardware
- b. Software
- c. Liveware
- d. None of the above

(iv) A file extension is
- a. Used to expand a file
- b. Used to exit from a file
- c. Used to identify the file type
- d. All of the above

(v) What is the correct statement about memory scale?
- a. 1 MB = 1024 KB
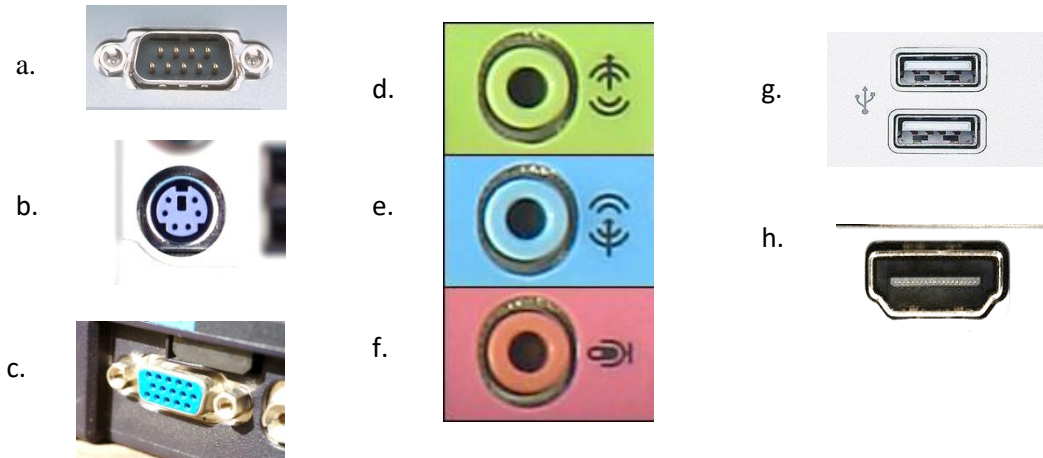- b. 1 KB = 1000 MB
- c. 1 KB = 1024 MB
- d. 1 MB = 1000 KB

(vi) A UPS is used to
- a. Increase the storage capacity of a computer system
- b. Increase the current processing speed
- c. Provide backup power
- d. None of the above

(vii) Operating system is
- a. All the operating components of computer.
- b. A System software.
- c. A System used in remote operation
- d. None of the above

(viii) Translating the whole source code to machine code in a single step is known as
- a. Unicoding
- b. Compiling
- c. Interpreting
- d. Encoding

(ix) Application software is
- a. A Program designed to perform a group of coordinated functions for the benefit of the user
- b. A Program designed to perform a group of coordinated functions for the benefit of the PC
- c. A Program designed to perform a group of coordinated functions for the benefit of the other application
- d. All of the above

(x) A word processor is
- a. The main component in a computer.
- b. An application software.
- c. Used for numerical data processing.
- d. All of the above.

(2.5x10 marks)

Part B

Question 02

    (i) What is a computer?   (02 marks)

    (ii) Draw the block diagram of a computer and indicate each component.   (07 marks)

    (iii) Identify the following ports of personal computer.   (08 marks)

a.

b.

c.

d.

e.

f.

g.

h.

    (iv) Study the following technical specification of a computer and find answers for the following

Display	Size	11.6" (PLS type)
	Resolution, Brightness	HD (1366 x 768), 400nit
Base	Operating System	Windows 8
	Processor	Next generation Intel® Atom™ Processor
Memory	System Memory	LPDDR 2GB
Graphics	Graphics Processor	Intel HD Graphics
Multimedia	Speaker	2
	Integrated Camera	Front 2M, Rear 8M(w/ flash)
Storage	Hard Disk Drive	~ 128GB eMMC
	Optical Disk Drive	No
Communication	Wired LAN	USB-to-Ethernet Dongle
	Wireless LAN	802.11 abgn
	Wireless WAN	4G/LTE, 3G
	Bluetooth	4.0

        a.   What is the name of the CPU?   (02 marks)

        b.   What is the available primary storage capacity?   (02 marks)

        c.   What is the available secondary storage capacity?   (02 marks)

        d.   What is the monitor resolution?   (02 marks)

[Total 25 marks]

Question 03

   (i) What is a secondary storage? Give two examples.   (04 marks)

   (ii) Explain the importance of cache memory of a computer   (03 marks)

   (iii)State the main function of following components.   (08 marks)

        a. ALU

        b. CU

        c. Register

        d. System bus

   (iv)"RAM size and processor speed are essential factors to decide the performance of computer" State whether this statement is true or false. Justify your answer.

                                     (05 marks)

   (v) Imagine, your computer's secondary storage is full of data files and no space to save your data. Explain how you can find enough space in secondary storage to save the file.   (05 marks)

                                      [Total 25 marks]

Question 04

   (i) What is an operating system?   (02 marks)

   (ii) Mention four functions of an operating system   (04 marks)

   (iii)Briefly describe the disk operating system (DOS)   (03 marks)

   (iv)Briefly describe the use of the following DOS commands.

        a. date

        b. cls

        c. dir

    Write the DOS commands to perform following operation in your computer

        d. Create a directory named Employees

        e. To copy the **D:\Colombo\Employees\salary.txt** to **D:\Kandy\Employees**

        f. Rename **D:\Kandy\Employees\salary.txt**to **D:\Kandy\Employees\payed.txt**
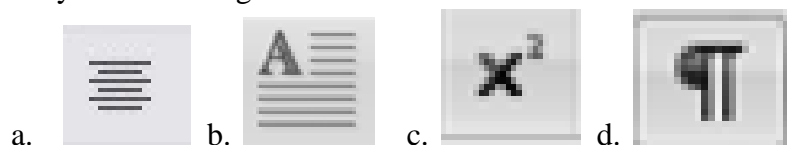
                           (02x6 =12 marks)

   (v) "Users prefer Graphical user Interface to command line user interface."

      Do you accept the above statement?

      Justify your answer.   (04 marks)

                                        [Total 25 marks]

Question 05

   (i) Briefly describe the word processing software?   (03 marks)

   (ii) Name two word processor software except Microsoft word   (02 marks)

   (iii) Identify the following word tools

    a.   b.   c.   d.

                                       (04 marks)

(iv) Write the Microsoft word short cut keys to perform following function   (08 marks)
   a. Select all contents in the document
   b. Save the working document
   c. Go to end of the working document
   d. Copy the selected contents

(v) "An institution plans to conduct staff meeting to all staff (1112 staff members) whose detail are stored in Excel file. Managing director likes to print individual invitation letter to all staff. IT officer mentions that MS word has the facility to create letters automatically"

   a. What is the facility of MS Word mentioned by the IT officer?

(02 marks)

   b. Briefly explain steps to create letters automatically.

(06 marks)

[Total 25 marks]