

SOUTH EASTERN UNIVERSITY OF SRI LANKA**FIRST EXAMINATION IN BACHELOR OF INFORMATION AND
COMMUNICATION TECHNOLOGY - 2015/2016****SEMESTER - I, JULY 2016****CIS 11011 - ESSENTIALS OF ICT AND PC APPLICATIONS****Answer all Questions.****Time: 01 hour.****Question 01:**

- a) i. Differentiate **Qualitative data** and **Quantitative data**. Give suitable examples.
(04 mark)
- ii. Give five (05) characteristics of **quality information**.
(05 mark)
- iii. State three (03) main **roles of ICT in society**.
(03 mark)
- iv. Identify four (04) **fields** that use ICT applications and provide two (02) **application** example for each field.
(06 mark)
- [Total 18 mark]

- b) i. Explain different **generations of computer**? State major changes of following characteristics in each generation.
- a. Electronic circuits
- b. Programming Language type used
(10 mark)
- ii. What are the three (03) types of **programming translators**? Explain them briefly.
(06 mark)
- [Total 16 mark]

- c) i. What does it mean by **office productivity application**? Give two examples for main three (03) types of productivity application, with their **productivity suite** name.
(08 mark)

ii. Differentiate **vector** and **raster** graphic images used in computer graphics.

(04 mark)

iii. What does it mean by **remote access application**? Give two (02) popular examples of such application.

(04 mark)

[Total 16 mark]

Question 02:

a) i. What are the four (04) basic **components** that can be identified related to **computer system**? Give brief explanation for each of them.

(06 mark)

ii. What is computer **chipset**? Briefly explain the function of main two (02) parts of computer **chipset**.

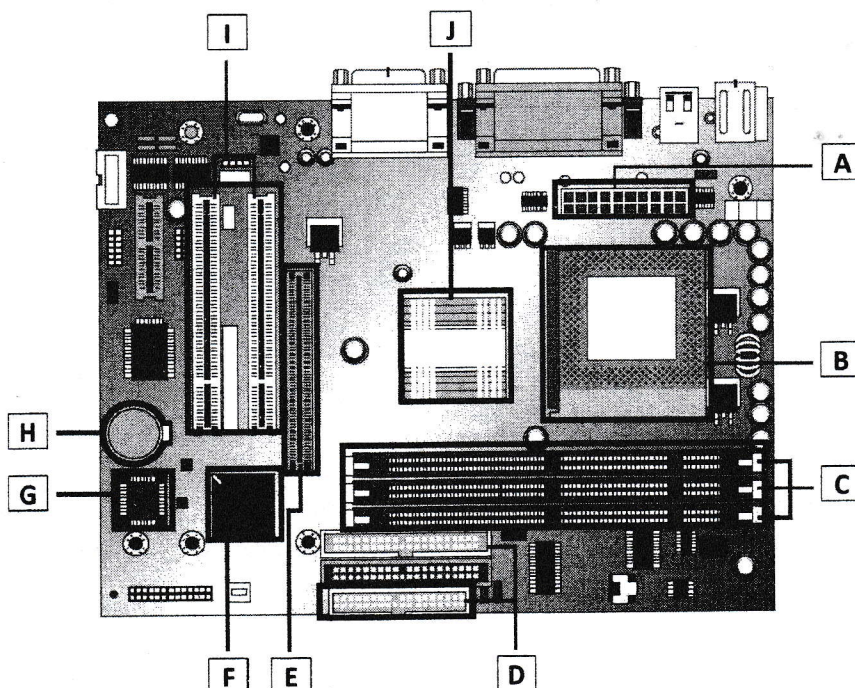
(04 mark)

iii. Briefly explain the **booting process** of a computer initiated by BIOS.

(08 mark)

[Total 18 mark]

b) i. Identify the following **components of motherboard** labeled by the English letters.



(10 mark)

ii. What are the three (03) different voltages used in a computer system. Name three (03) parts of motherboard power connectors available in **ATX Type** power supply.

(06 mark)

[Total 16 mark]

c) i. What does it mean by **file system** in computers? Compare and contrast **FAT32** and **NTFS** file systems.

(06 mark)

iii. Differentiate **primary** partition, **extended** partition and **logical drives**.

(06 mark)

iii. Briefly explain the following **utilities** of a computer system.

- a. Disk Defragment
- b. Disk Cleanup

(04 mark)

[Total 16 mark]