SOUTH EASTERN UNIVERSITY OF SRI LANKA

FIRST EXAMINATION IN BACHELOR OF INFORMATION AND COMMUNICATION TECHNOLOGY - 2021/2022
SEMESTER - I, APRIL / MAY 2024
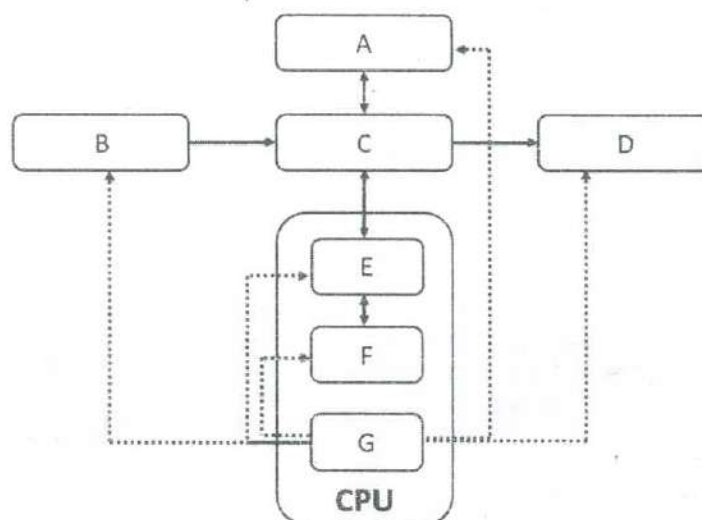### CIS11011 - ESSENTIALS OF ICT AND PC APPLICATIONS

Answer all (02) questions.   Time: 01 Hour

Question 01:

i.   Define the term **Information System (IS)**. List **four (04)** main characteristics of information.

(11 marks)

ii.   The data flow and control instruction flow in a computer system can be represented using an **abstract model** in a block diagram. **Identify** the components or parts of the computer system in the block diagram that are labeled with English letters **A** to **G**.

(14 marks)

iii. What is an **Operating System**? Outline **five (05)** key features (characteristics) of an operating system.

(13 marks)

iv.   Provide **brief** descriptions on the following topics,

      a. **Technology**-based Computer Classification

      b. Programming Language **Translators**

(12 marks)
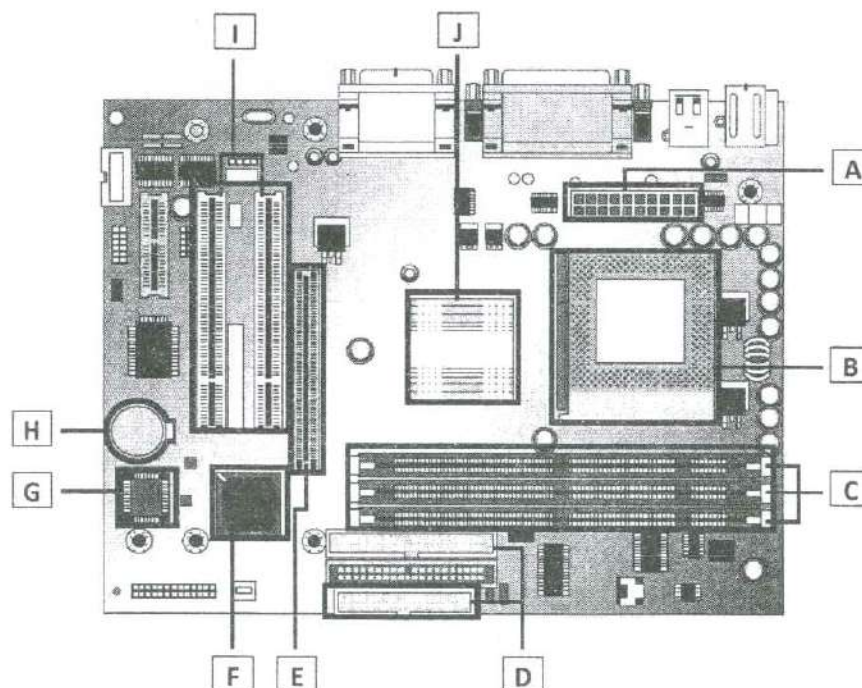
[Total 50 marks]

Question 02:

i.   Define **Computer chipset**. **Name** and briefly **describe** the roles of its **two (02)** main components.

(09 marks)

ii.   Identify **three (03)** primary types of **CPU packaging** and provide a **brief** explanation of each.

(09 marks)

iii.   **Label** the following motherboard components.

(15 marks)

iv. What does **Resolution** mean in computer graphics? Compare and contrast **vector** and **raster** graphic images used in computer graphics.

(08 marks)

v. Provide a brief explanation of the following computer **system utilities**.

    a. File systems

    b. Disk Clean up

    c. Disk Partitioning types

(09 marks)

[Total 50 marks]

[Total 100 marks]

***** END *****