

SOUTH EASTERN UNIVERSITY OF SRI LANKA**FIRST EXAMINATION IN BACHELOR OF INFORMATION AND
COMMUNICATION TECHNOLOGY - 2019/2020****SEMESTER - I, AUGUST 2022****CIS11011 - ESSENTIALS OF ICT AND PC APPLICATIONS****Answer all questions.****Time: 01 hour****Question 01:**

- i. Define the term **Information and Communication Technology (ICT)** using the key terminologies.
(10 marks)
- ii. Briefly explain the main **roles of ICT** in this digital world
(08 marks)
- iii. Explain the **transformation of knowledge from data** using three (03) intermediate processes.
(10 marks)
- iv. What is **Information System (IS)**? In general, for which kind of activities does IS being used in many companies?
(10 marks)
- v. Write a short note on the following **characters of a computer**.
 - a. Accuracy
 - b. Versatility
 - c. Persistency
(12 marks)

[Total 50 marks]**Question 02:**

- i. Compare and Contrast **Imperative** and **Declarative** programming language categories.
(10 marks)
- ii. List three (03) main types of **CPU packaging** and explain them briefly.
(09 marks)

iii. What does it mean by the **motherboard form factor**? Name three (03) popular form factors.

(09 marks)

iv. Explain the **booting process** of a computer which was configured with the **legacy BIOS** method.

(12 marks)

v. State the main function of the following **computer hardware components**,

- a. Control Unit (CU) of the CPU
- b. Cache memory
- c. System BUS
- d. Expansion Slots
- e. ATX Power Supply

(10 marks)

[Total 50 marks]

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