

Department of Computer Science and Engineering
University of Liberal Arts Bangladesh
Mid-Term Examination (Summer 2020)
Course: Introduction to Computer Studies (CSE 101)
Section: 7 --- Duration: 1 Hour

PLEASE ANSWER ALL QUESTIONS.

Total 25 Marks

QUESTION 1

10 marks

Explain the role of the Arithmetic Logic Unit (ALU) and the Logic Unit of the CPU. Describe how we can perform all four basic arithmetic operations using only “addition”.

QUESTION 2

9 marks

Perform the following conversions:

- a) $(456)_8$ to Hexadecimal
- b) $(23.6875)_{10}$ to binary
- c) $(110011.110011)_2$ to decimal

QUESTION 3

4 marks

Identify and categorized various entities of the following Computer Based Systems (CBS) into software, hardware & user.

- a) Youtube
- b) Retail Software

QUESTION 4

2 marks

Write the impacts and applications of computers in education and healthcare.

****END OF QUESTIONS****