

Department of Computer Science and Engineering
University of Liberal Arts Bangladesh
Final Examination (Fall 2019)
Course: Introduction to Computer Studies (CSE 101)
Section: 9 --- Duration: 2 Hours

PLEASE ANSWER ALL QUESTIONS.

Total 40 Marks

QUESTION 1

(5 Marks)

Draw a flowchart to find the smallest among n different numbers entered by user.

QUESTION 2

(5 Marks)

Convert the following decimal value to its binary equivalent and show all the calculations while performing the conversion:

$$(BED)_{16} = (????)_8$$

QUESTION 3

(10 Marks)

Following is pseudocode snippet of a computer program:

```
percentage: number
if percentage > 59
then
    if percentage > 69
    then
        if percentage > 79
        then
            display "A"
        otherwise
            display "B"
    otherwise
        display "C"
otherwise
    display "F"
```

Predict the output for the following cases

- a) percentage = 64
- b) percentage = 72

QUESTION 4

(10 Marks)

Write a C program which takes an alphabet from the user and displays whether that alphabet is lowercase or uppercase.

QUESTION 5

(10 Marks)

Write the C program for the following flowchart:

