

Department of Computer Science and Engineering
University of Liberal Arts Bangladesh
Mid Term Examination
Semester – Spring 2020
Course Title: Introduction to Computer Studies
Course Code : CSE 101 (Sec: 11)
Duration : 1:00 Hours

PLEASE ANSWER ALL QUESTIONS.

Total 20 Marks

QUESTION 1

5 marks

Perform the following binary operations:

- a) $(1100000)_2 - (1011111)_2$
- b) $(10111)_2 \div (10)_2$

QUESTION 2

6 marks

Write the algorithm and pseudocode to find sum of series $1^2 + 2^2 + 3^2 + \dots + N^2$

QUESTION 3

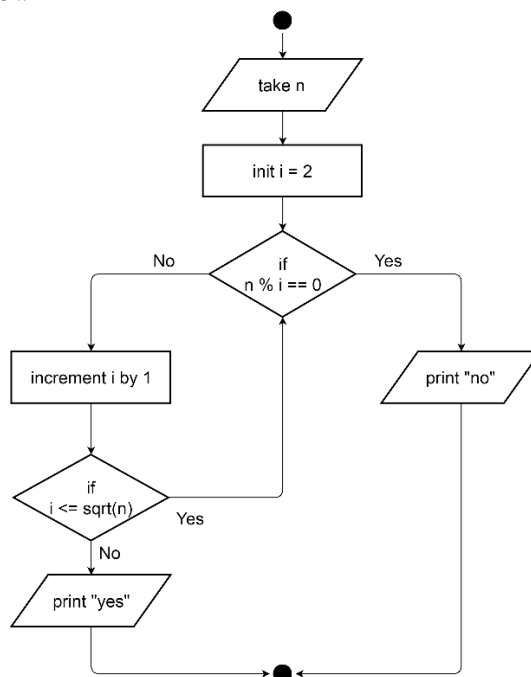
3 marks

Identify and categorize various entities of “ULAB Moodle” into software, hardware & user.

QUESTION 4

6 marks

A flowchart is given below:



What will be the output for the following inputs:

- a) 9
- b) 11

****END OF QUESTIONS****