University of Global Village (UGV), Barisal
Mid Term Examination (Summer-2021)
Department of Computer Science & Engineering (CSE)
4th Semester: Regular
Subject: Microprocessor & Assembly programming **(CSE-211)**

Time: 1.20 Hours   Full Marks: 45

Group A
(Answer any two of the three questions.
Each question has 15 marks)

1. (a) Define i) microprocessor ii) Microcontroller iii) Instructions   6
   (b) Depict block diagram of a computer with the microprocessor as a CPU.   5
   (c) What is programmable machine? Why microprocessor is a programmable device.   4

2. (a) (a) Define mnemonics. Difference between assembly language and machine language   4
   (b) How does microprocessor work?   5
   (c) Discuss microprocessor-based system with bus architecture.   6

3. (a) What are the steps to write and execute assembly language program?   4
   (b) Define with example i) bits ii) bytes iii) word iv) assembler   2*4=8
   (c) Difference between interpreter and compiler   3

Group B
(Answer any three of the four questions.
Each question has 5 marks)

4. Discuss flags register.
5. Discuss computer programming model.
6. Discuss instructions for arithmetic and logical operation.
7. Write an assemble code to load and add two data.