International Islamic University Chittagong
Department of Computer Science & Engineering
B. Sc in CSE, Spring 2021

Course Code: CSE-3524   Course Title: microprocessor and microcontroller Sessional

Total Marks: 50

Time: 2 :30 Hours

30 marks for programming

10 marks for continuous evaluation

10 marks for report submission

1. a)	Execute and explain the assembly code below:
	
	**CODE SEGMENT
	ASSUME CS:CODE, DS:CODE
	ORG 1000H
	MOV AX, 7A24H
	MOV BX, 95A3H
	ADD AX, BX
	JC FBA
	EEE: OR AX, 23H
	JNZ LST
	FBA:
	MOV CX, 0FC7H
	SUB AX,CX
	JZ EEE
	LST: HLT
	CODE ENDS
	END**
	
	Write down the reasons for change of flag registers and change of general purpose registers.
		8

1.(b)	What is Conditional Jump? Why is it used? Explain with example.	2
2. a)	What is logical operator? Explain the tables of frequently used logical operators.	3

b)	Write down an assembly language program that depicts the use of logical operators. Use EMU 8086 to depict the scenario.	7
3. a)	What is serial monitor? How is it connected to computer? Write down a program to print "Hello World" in assembly language.	3
b)	What are the commands used in serial monitor connection? Explain each of the commands.	7