

Northern University Bangladesh

Clearance for Assessment

Student ID.:

04180301280

Semester:

Fall 2021

Student Name:

Md Labib Arefin

Enrolled Semester: 10

Program:

Bachelor of Science in Computer Science and Engineering (CSE)

Course Code	Course Title	Credit Hour	Section	Remarks
CSE 3124	Microprocessor and Assembly Language Programming	3.0	Α	
CSE 3171	Microprocessor and Assembly Language Programming Lab Work	1.0	Α	
CSE 4278	Computer Graphics and Multimedia System Design	3.0	В	
CSE 4288	Computer Graphics Lab work	1.0	С	
CSE 4351	Image Processing and Computer Vision	3.0	Α	
CSE 4355	Artificial Intelligence and Expert System	3.0	В	
CSE 4383	Image Processing and Computer Vision Lab Work	1.0	Α	
CSE 4385	Artificial Intelligence and Expert System Lab Work	1.0	В	

Valid for Mid Term Assessment, Fall 2021

Ars. So to question says is that Assembly language is a low level language so the answer is false because their an assembly language is a type of programming language that translates high-level languages into machine language.

In \$086 microp

6

D CF - It reads carry flag. It is a set who bit in a system status register / flag register used to indicate when an anitametic carry or borrow has been generated out of most o significant arithmetic logic unit (ALU) bit position

29 H

of the one bits in result, and attempted to 0 where is old number of me bits.

ZF.- It means Zetro frag. The frag bits are changed to 0 and 1 depending upon the valve of result after the arithmetic or logical operations.

Ares. So to question says is that 'Assembly language is a low level language so the answer is false because their an assembly language is a type of programming language that translates high-level languages into machine language.

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29 H

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ZF.- If means Zetzo flag the flag bits are changed to 0 and 1 depending upon the value of result after we arithmetic or logical operations.

SF - It means the sign flag

1 e) i. obh x (200-225) + 127 II. FFFh x 10h + 1111b

MOV AX OBH

MOV. Bx, 200 h

SUB BX, 225 N

MUL BX

ADD Bx, (27

Mov Ax, OFFF 1 h

MOV. BX, LOH

MUL BX

ADD Ax, 11116

- n) NMI is a non-magrable interrupt PLD pin having higher priority than than mashable interrupt pin (INTR)

 when an interrupt is achirated, tuse are the actions,
 - completes the current instruction that is in process
 - pushes the tray register values on to stack
 - pushes es (code segment) value and [plinstruction
 pointer) value of return address on as stack
 - . Il is loaded from to contents of word location of ost
 - es is loaded from to contents of next word location 0000 Att
 - Interrupt and trap flag are veset to O.

INTR

Et is a majkable interrupt broade the micro processor
will be interrupted only it interrupts are enabled
value of the instruction. It should not
interrupt they instruction.

b) 2460 E

The Bx register is an offset of pata segment (DS) register. So to location of

2460 Ex 10 + 24 (DE#

- 24600 Et 2400 E

= 27000 BH

11. 2450 A

The 2450 A \$x 10 h + 2450 H

= 26950 H

e) The nort instruction is fetched from memory address

that is currently street in program country and

that is currently street in program country and

street into instruction registers. At end of fetch

street into instruction registers. At end of fetch

operation, to program counter points the next

operation, to program counter points

operation, to program counter poin

execution: the control unit of CPU passes the decoded information as a sequence of control signals to units of CPU to perform the fountional punts of CPU to perform the registers.