

Ahsanullah University of Science & Technology

Department of Computer Science & Engineering

Course No : CSE2214

Course Title : Assembly Language Programming Sessional

Assignment No : 01

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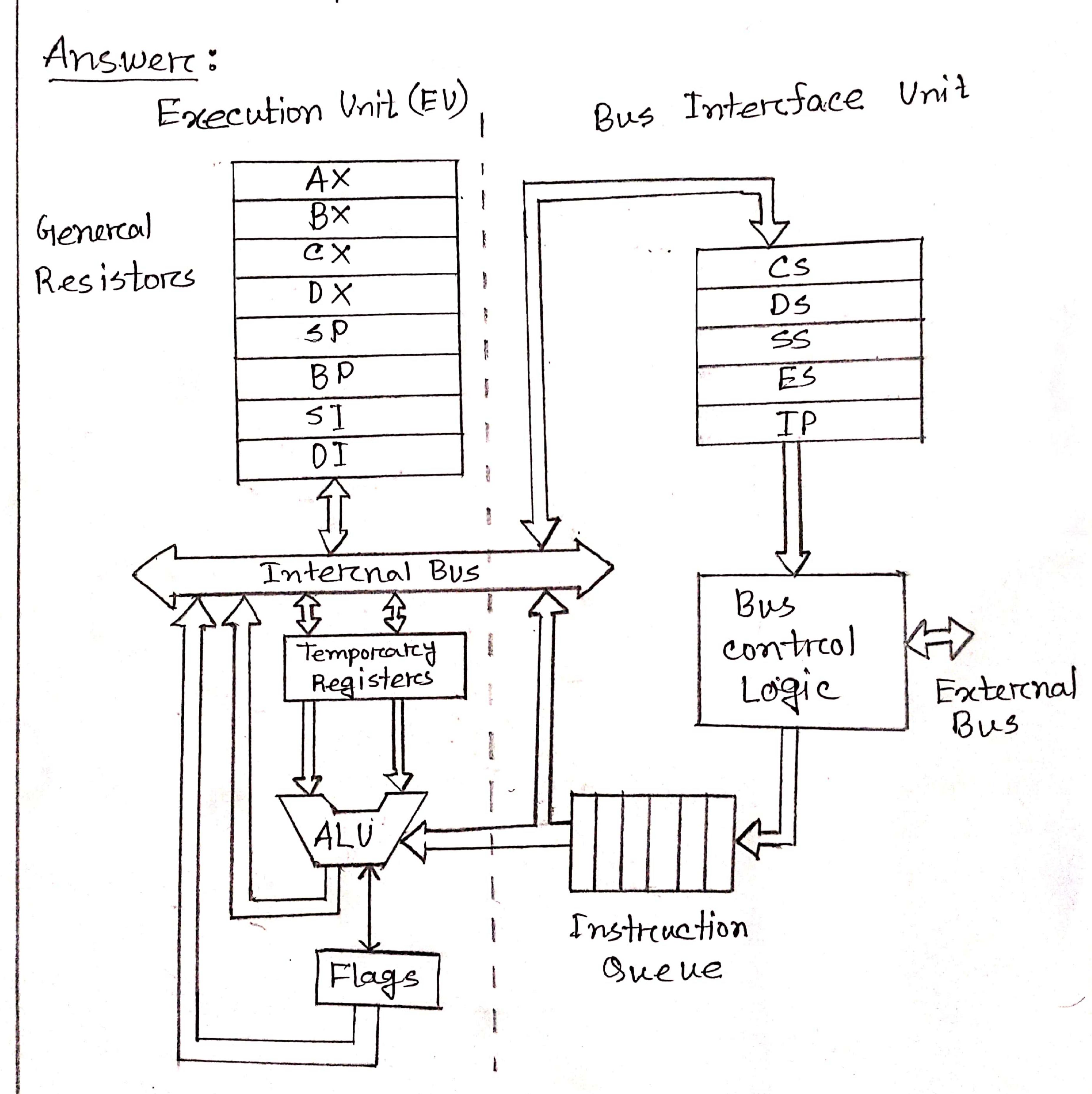
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Section : B

Question no: 01

Question: Dreaw the Diagream of the Intel 8086 Micropro cessor organization.



Figurce: Intel 8086 Microprocessor Organization.

ID'. 190204086 Courcse no! CSE 2214 Signature: Atiq

Question no: 02

machine language instrucguestion: Consider a tion that moves a copy of the contents of, reegister Ax in the CPU to a memorry world. What happens durcing the fetch cycle and execution cycle.

Answers

MOV memory, AX

Durcing fetch cycle:

1. Fetch the instruction (contents of Ax) from the

2. Decode the instruction. On recieving the instreuction, a decoder circuit in the EV decodes the instruction and determines that it is a Mov opercation.

Durcing Execution Cycle:

- 1. Percform the operaction. Hold the contents of rregister AX.
 - 2. Storce the result in the memory, while starcting, the previous contents of memomy world are overwhiten by one.