**AMBO University Woliso Campus**

**School of Technology & Informatics**

**Department of Computer Science**

**Assignment for Microprocessor and Assembly Language Programming**

**prepared for 3rd year CS (EX) and 2nd year CS ( R ) Students for second Semester.**

1. List various Instructions of 8086 and write how they are working.
2. Explain Various Control Instruction.
3. Explain various Addressing modes of 8086.
4. Write the difference between 8087 Intel-co processor and 8086 microprocessors.
5. What are the function of Ready, ALE, HOLD, $\overline{DEN}$ and RESET pins of 8086 microprocessor?
6. Discuss the 80X86 family of CPU’s
7. Compare 8085, 8086 and 8088 microprocessors with each other.
8. What do you mean interrupt in hardware and software? And List the types of hardware interrupt and software in 8086.
9. **What are the purposes of using directives? Show by giving different kinds of examples.**
10. **Explain the difference between immediate and indirect operand instructions.**
11. How do the following parameter passing mechanisms work?
12. Pass by value
13. Pass by reference
14. Pass by value-returned
15. Pass by name

**Note**:

* This assignment should be including introduction, body and final conclusion for each and every question.
* After you finish, send on this “**abdisalechisa@gmail.com** “email address
* **Phone number: 0923607747**