**SSESA’S, Science College, Congress Nagar, Nagpur**

**Department of Computer Science**

**Practical List**

**Session 2020-21**

**Practical - II (Digital Electronics and Microprocessor)**

**M. Sc. I– Semester - I**

1. *Write an assembly language program in 8086 to find Addition & Subtraction of two 8 and 16 bit numbers.*
2. *Write an assembly language program in 8086 to find Multiplication & Division of two 8 and 16 bit numbers.*
3. *Write an assembly language program in 8086 to find addition, subtraction, multiplication, division using any two operands.*
4. *Write an assembly language program in 8086 to find sum of any 10 natural numbers.*
5. *Write an assembly language program in 8086 to evaluate the following expression A= W(X+Y)*

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1. *Write an assembly language program in 8086 to find Average of any four numbers.*
2. *Write an assembly language program in 8086 to find Factorial of any given number.*
3. *Write an assembly language program in 8086 to display the string “Department of Computer Science” on Screen.*
4. *Write an assembly language program in 8086 to find Smallest among four numbers.*
5. *Write an assembly language program in 8086 to find Largest among four numbers.*
6. *Write an assembly language program in 8086 to modify the status of Direction, Carry, and Interrupt Flags.*
7. *Write an assembly language program in 8086 to arrange five numbers in Descending Order.*
8. *Write an assembly language program in 8086 to arrange five numbers in Ascending Order.*
9. *Write an assembly language program in 8086 to perform logical operations such as AND, OR, NOT &EXOR on two 16 bit numbers.*
10. *Write an assembly language program in 8086 to find out the number of even and odd numbers from a given series of 16 hexadecimal numbers.*

**Coordinator (M.Sc.)**

**Department of Computer Science**