**Shri Shivaji Education Society Amravati's**

**SCIENCE COLLEGE**

**DEPARTMENT OF COMPUTER SCIENCE**

**Congress Nagar, Nagpur.**

**INDEX**

**M.Sc. – Semester - III** **Name of Student: -** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Subject:** - Practical – II (Paper – III [**Digital Electronics and Microprocessor**] )

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| **Sr. No.** | **Name of Practical** | **Page No.** | **Date** | **Signature** |
| 1.  2.  3.  4.  5.  6.  7.      8.  9.  10.  11.  12.  13.  14.  15. | Write an assembly language program in 8086 to find Addition & Subtraction of two 8 and 16 bit numbers.  Write an assembly language program in 8086 to find Multiplication & Division of two 8 and 16 bit numbers.  Write an assembly language program in 8086 to find addition, subtraction, multiplication, division using any two operands.  Write an assembly language program in 8086 to find sum of any 10 natural numbers.  Write an assembly language program in 8086 to evaluate the following expression *A= W(X+Y)*  *3*  Write an assembly language program in 8086 to find Average of any four numbers.  Write an assembly language program in 8086 to find Factorial of any given number.  Write an assembly language program in 8086 to display the string “Department of Computer Science” on Screen.  Write an assembly language program in 8086 to find Smallest among four numbers.  Write an assembly language program in 8086 to find Largest among four numbers.  Write an assembly language program in 8086 to modify the status of Direction, Carry, and Interrupt Flags.  Write an assembly language program in 8086 to arrange five numbers in Descending Order.  Write an assembly language program in 8086 to arrange five numbers in Ascending Order.  Write an assembly language program in 8086 to perform logical operations such as AND, OR, NOT &EXOR on two 16 bit numbers.  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. | ---  ---  ---  ---  ---  ---  ---  ---  ---  ---  ---  ---  ---  ---  --- | -----------------  -----------------  -----------------  -----------------  -----------------  -----------------  -----------------  -----------------  -----------------  -----------------  -----------------  -----------------  -----------------  -----------------  ----------------- |  |
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