AKNM Government Polytechnic College, Thirurangadi
Department of Computer Engineering

Fifth Semester -Assignment-1, 2022- 23

Course Name: Microprocessors and interfacing
Course Code: TED (15) 5131

Question Set 1: (Max. Marks 30) For odd roll numbers

1. Prepare a comparative note on 8086 with previous microprocessors   (5 marks)
2. Discuss the architecture of 8086 with specific mention on:
        a) GPR   b) Flags   c) Instruction Queue   d) Segment Registers (15 marks)
3. 8086 can be operated in minimum and maximum modes. Distinguish the differences between the two modes of operations   (10 marks)

Question Set 2: (Mar. Marks 30) For even roll numbers

1. Point out any five features of 8086 and mention its benefits (5 marks)
2. Discuss 8086 Flag register (8 marks)
3. Describe Memory segmentation and Segment registers in 8086 (10 marks)
4. Outline the process of DMA (7 marks)

Submission details:

1. Use A4 sheets with proper margins and serially numbered
2. Refer the text book : "The x86 Microprocessors- Architecture, Programming and Interfacing – Lyla B Das – Pearson- Second edition."
3. Go through the class notes
4. Submit on or before **14-10-2022 3pm**