**PSG COLLEGE OF TECHNOLOGY, COIMBATORE - 641 004**

## B.E CSE Semester : 5

**19Z502 MICROPROCESSORS AND INTERFACING**

Assessment Tutorial – I (30.07.2024)

**Answer any 5 questions (5\*2=10 marks)**

1. Program to swap the contents of two registers without using another register
2. Program: Implement the loop, with the counter = 19
3. List the various flags in the flag register. Mention flagname (short form) and abbreviation
4. If the original contents of AX, CL, and CF are 800FH, 04H, and 1, respectively, what is the content of AX and CF after executing the instruction that follows:

SAR AX,CL

1. AL has content of 05H. What is result of NEG and NOT on AL ?
2. If DS=2000H, ES=3000H, BX=1000H, SI=2000H. From which location AH will copy the value

MOV AH,[BX][SI] + 1234H