

**DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY,
LONERE – RAIGAD -402 103
Semester Examination – May - 2019**

Branch: Electronics & Telecommunication

Sem.:- IV

Subject with Subject Code:- Microprocessor BTEXC403

Marks: 60

Date:- 20-05-2019

Time:- 3 Hr.

Instructions to the Students

1. Each question carries 12 marks.
2. Attempt **any five** questions of the following.
3. Illustrate your answers with neat sketches, diagram etc., wherever necessary.
4. If some part or parameter is noticed to be missing, you may appropriately assume it and should mention it clearly

Q.1.

- A Explain internal architecture of 8085 with neat diagram. (8)
B What is addressing mode ? Explain addressing modes of 8085 with example. (4)

Q.2.

- A Explain different types of instructions depending upon working in 8085 with examples? (6)
B Explain memory read cycle for 8085 with suitable waveform. (6)

Q.3.

- A Explain types of interrupts. (6)
B How multiple interrupts are handled in microprocessor with Programmable Interrupt Controller (PIC) 8259? Explain with suitable interfacing diagram. (6)

Q.4.

- A Explain pin function of ALE and READY pin in detail. (6)
B Write a program to find 1's and 2's complement of 8-bit number where starting address is 2000 and the number is stored at 3000 memory address and store result into 3001 and 3002 memory address. (6)

Q.5.

- A What is memory interfacing? Explain Interfacing 64Kb EPROM with 8085.(EPROM pins OE',CS',Address inpiut,8 bit data out) (6)
B What is stack memory? Explain PUSH and POP operation using suitable diagram. (6)

Q.6.

- A Explain detailed Architecture of 8086. (8)
B What are Assembler directive? Explain with example. (4)

***** All The Best*****

