SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN (AUTONOMOUS)
(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)
Chromepet, Chennai — 600 044.
B.Sc. END SEMESTER EXAMINATIONS NOVEMBER-2022
SEMESTER - IV
20UCSCT4004 - Microprocessor and its Applications

Total Duration : 2 Hrs 30 Mins. **Total Marks : 60**

Section A

Answer any **SIX** questions $(6 \times 5 = 30$ Marks)

1. Discuss about Micro Computers, Microprocessors and assembly Languages.
2. Explain about Arithmetic and logic operations of 8085.
3. What is Debugging? Explain Dynamic debugging.
4. Discuss about Counters and Time delays.
5. Write short notes on Debugging counter.
6. Explain about BCD to HEX and HEX to BCD conversions.
7. What is Interrupt? Explain Multiple Interrupts.
8. Discuss about Memory mapped I /O.

Section B

Answer any **THREE** questions $(3 \times 10 = 30$ Marks)

9. Explain about 8085 Instruction Set and classifications.
10. Discuss about looping, Counting and indexing addressing modes.
11. Write notes on Stack and subroutine.
12. Explain about Multibyte Addition and subtraction.
13. Discuss about Direct Memory Access (DMA).

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