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.(CS) - END SEMESTER EXAMINATIONS APRIL-2023
SEMESTER - IV
20UCSCT4004 - Microprocessor and Its Applications

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

Section B

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

1. Explain Arithmetic and logic unit operations.

2. Write in brief about flags.

3. Explain unconditional transfer instructions in short.

4. Discuss addressing modes.

5. Explain counter and time delay.

6. What is a "stack subroutine"? Explain.

7. Discuss Binary to BCD conversion.

8. Describe the methods to implement interrupts.

Section C

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

9. Explain basic Instruction set of microprocessor 8085 in detail.

10. Write in detail on Data transfer instructions.

11. Explain conditional call and return instructions.

12. Elaborate on Multibyte subtraction and addition.

13. Explain DMA in detail.

*****