2023

COMPUTER SCIENCE — HONOURS — PRACTICAL

Paper : CC-10P

(Microprocessor and its Application)

Full Marks : 30

The figures in the margin indicate full marks.

Distribution of Marks :

Theory/Algorithm/Flowchart	: 05
Assembly Language Program for 8085	: 10
Output/Result	: 03
Discussion	: 02
Assignment / Laboratory Notebook	: 05
viva voce	: 05

Answer *any one* question.

SET - IV

1. Write an Assembly Language Program for 8085 to count the non-zero bits present in a 16 bit data. Store the result in suitable location. 20

2. Write an Assembly Language Program for 8085 to store ten bytes of data in reverse order in suitable consecutive memory locations. 20

3. Write an Assembly Language Program for 8085 to generate Fibonacci series for first ten values. 20

4. Write an Assembly Language Program for 8085 to calculate the sum of 10 bytes of unsigned numbers stored in consecutive memory locations. 20

5. Write an Assembly Language Program for 8085 to find the largest and smallest 8-bit number from an array of twenty random 8-bit numbers stored in consecutive memory locations. 20

6. Write an Assembly Language Program for 8085 to find the square root of an 8-bit number. 20

7. Write an Assembly Language Program for 8085 to find the area of rectangle where the length and the breadth is given. Store the result in suitable memory location. 20

8. Write an Assembly Language Program for 8085 to find the square of a given 8-bit number. Store the result in suitable memory locations. 20

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