

Register Number :

Name of the Candidate :

1 2 3 1

B.Sc. DEGREE EXAMINATION, 2010

(ELECTRONIC SCIENCE)

(THIRD YEAR)

(PART - III - A : MAIN)

(PAPER - VII)

**740. MICROPROCESSORS
AND APPLICATIONS**

(Including Lateral Entry)

May]

[Time : 3 Hours

Maximum : 100 Marks

SECTION - A (5 × 4 = 20)

Answer any FIVE questions.

All questions carry equal marks.

1. Distinguish between micro processors and micro computers.
2. Give the concept of buses.

Turn Over

3. Give the instruction set of 8085.

4. Write an assembly language program to subtract 8-bit numbers.

5. Distinguish between memory mapped I/O scheme and I/O mapped I/O scheme.

6. Discuss stack operations of 8085.

7. Explain DAC.

8. Explain temperature monitoring system.

SECTION - B (5 × 16 = 80)

Answer any FIVE questions.

All questions carry equal marks.

9. Explain architecture of 8085.

10. Explain data transfer instructions of 8085.

11. What are the various addressing modes of 8085 ?

12. Write note on :

(a) Stack.

(b) Sub routine.

and (c) sub programs.

13. Describe RAM and ROM micro processor.

14. Explain 8251 programmable communication interface.

15. Explain the function of ADC 0800 in detail.

16. Write a program with a flow chart to explain the use of stepper motor control.