

17. (a) Discuss the logical operations of 8085 microprocessor.

Or

- (b) Explain the various JUMP instructions.
18. (a) Explain the serial data transfer technique of 8085 microprocessor.

Or

- (b) Explain the function of 8259 programmable interrupt controller.
19. (a) Explain the successive approximation technique.

Or

- (b) Explain the application of DAC 0800 in digital system.
20. (a) How will you measure resistance using 8085 microprocessor? Give the necessary circuit diagram and program.

Or

- (b) Explain the method of measuring frequency using 8085 A microprocessor.

Reg. No. :

Code No. : 7108

Sub. Code : C 1 AP

M.Sc. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2010.

First Semester

Physics — Main

Elective I — MICROPROCESSOR AND INTERFACING

(For those who joined in July 2008 and afterwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

1. What is the function of the accumulator?
2. List the four common operations performed by a microprocessor.
3. Mention the control and status signals of the 8085 microprocessor.
4. Why is the data bus bi-directional?

