Roll No. | | | | | | | | | | | | | Total No. of Pages : 02

Total No. of Questions : 07

B.Sc.(IT) (2013 & 2014) (Sem.–4)

MICROPROCESSOR SYSTEM

Subject Code : BS-206

M.Code : 12520

Time : 3 Hrs. Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains SIX questions carrying TEN marks each and a student has to attempt any FOUR questions.**

SECTION-A

1. Answer briefly :

a) List the instructions for using interrupt.

b) What is underflow Condition?

c) List the status signals of 8085.

d) Explain Shift Registers.

e) Explain the role of HALT and HOLD state.

f) Convert $(1100)_2$ and $(11010)_2$ into decimal format.

g) Define Machine Cycle.

h) Differentiate the features of DRAM and SRAM.

i) Why the addressing modes are required?

j) What do you mean by digital signals?

SECTION-B

2) Differentiate the features of microprocessor, microcomputer and microcontroller.

3) Discuss the representation of integer and floating point numbers for data representation.

4) a) Differentiate the working of PROM and EPROMs.

   b) Explain the role of address and data bus of 8085.

5) a) Discuss the various registers used in 8085.

   b) Explain and draw the timing diagram of memory read cycle.

6) Discuss the various types of data transfer instructions of 8085 using suitable example.

7) How the timing and control unit of 8085 microprocessor works? Explain.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.