

Roll No.....

Total No.of Pages:01

BCA, 3RD SEM-2014

INTRODUCTION TO MICROPROCESSOR

Paper Code (BC-305(N2))

Paper Id. [B0213]

Time : 03 Hours

Maximum Marks : 60

Instruction to Candidates:

- 1) Section A is Compulsory.
- 2) Attempt Any four questions from Section-B.

Section – A

Q1)

(10x2=20)

- a) What is Microprocessor?
- b) What are the functions of accumulator?
- c) Name the 16-bit registers of 8085 Microprocessor.
- d) What is the use of ALE?
- e) Give the difference between address bus and data bus.
- f) What are the functions of Bus Interface Unit (BIU)?
- g) Define Instruction set.
- h) Define two pass assembler.
- i) What is the drawback in memory mapped I/O?
- j) What is meant by Latch?

Section – B

(4x10=40)

Q2) Explain the architecture of 8085 Microprocessor with the help of block diagram.

Q3) What is RISC and CISC processor? How RISC processor is different from CISC processor?

Q4) What do you mean by addressing modes? Discuss all the addressing modes with suitable example.

Q5) Discuss the architecture and operations of 8237 DMA Controller.

Q6a) Differentiate between Microprocessor and Microcontroller.

b) Discuss Memory Paging and working of 8257 Interrupt Controller.

Q7) Write Short notes on the following:

- a) Real and Protected mode memory addressing
- b) Arithmetic Coprocessor

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