COURSE CODE : ECE313

COURSE TITLE: MICROPROCESSOR AND MICROCONTROLLERS

Time Allowed: 01:30 hrs

Read the following instructions carefully before attempting the question paper.

1. This question paper divided into two parts A and B.

2. Part A contains 5 questions of 2 marks each. All questions are compulsory.

(ii)Discuss in detail Arithmetic instructions of 8051.

- 3. Part B contains 3 questions of 10 marks each. In each question attempt either question (a) or (b), in case both (a) and (b) questions are attempted for any question then only the first attempted question will be evaluated.
- 5. Do not write or mark anything on the question paper except your registration number at the designated space.

Answer all questions in senal order. Do not write or mark anything on the question paper except your registration number at the design of the paper except your registration number at the design.	gnated space.
Q1 a)What is the function of PC and SP of 8085.	[2 Marks]
b)What are the difference between Harvard and Von Neumann Architecture. c)What is the function of ALE pin in 8085. d)List the name of interrupts available in micro-controller 8051? e)Explain DJNZ instructions of intel 8051 microcontroller?	[2 Marks] [2 Marks] [2 Marks] [2 Marks]
Q2 a)Connect 8k EPROM and 4k RAM with 8085. The memory IC's available are 4	(kX8 EPROM [10 Marks]
and 4KX4 KAIVI. OR of microprocessor-based system	[5 Marks] [5 Marks]
	(10 Marks) se, clear it. (5 Marks)
b) (i)Test to see whether A has the value 4511. Is to be a see whether A has the value 4511. Is to be a see whether A has the value 4511. Is to be a see whether A has the value 4511. Is to be a see whether A has the value 4511.	[5 Marks] [10 Marks]
(ii)Explain all the addressing mode for 8051. (ii)Explain all the addressing mode for 8051. OR Q4 a)Give the pin diagram of 8085 in detail. OR	[5 Marks] [5 Marks]
b) (i)Explain the LCD operations and its Pin description (ii)Explain the LCD operations and its Pin description (iii)Explain the LCD operations and its Pin description (iii) Explain the LCD operations and its Pin description (iii) Explain the LCD operations and its Pin description (iii) Explain the LCD operations and its Pin description (iii) Explain the LCD operation of the local operation operation of the local operation op	

-- End of Question Paper --

Microprocessor And Microcontroller Question Paper

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