

# C.U.SHAH UNIVERSITY

## Summer Examination-2015

Subject Name: Microcontroller & Interfacing

Subject Code: 4TE04MCI1

Branch: B.Tech (EEE,EE,IC)

Semester: 4

Date: 12/05/2016

Time: 2:30 To 5:30

Marks: 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
  - (2) Instructions written on main answer book are strictly to be obeyed.
  - (3) Draw neat diagrams and figures (if necessary) at right places.
  - (4) Assume suitable data if needed.
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Q-1

Attempt the following questions:

(14)

- a) How many Bits can be processed simultaneously in the 8085?  
(A)4(B) 2(C) 8(D)16
- b) How many interrupts are there in the 8085?  
(A)4 (B) 2 (C) 3(D) 5
- c) What is the size of internal ROM in 8085?  
(A)0 GB(B)128 BYTE(C) 4 KB(D) 64 KB
- d) Which register pair is used as data pointer in the 8085?  
(A) AB(B)BC(C) DE(D) HL
- e) 8085 Microprocessor is based on\_\_\_\_\_ Architecture?  
(A)Von-Neumann(B)Harvard(C)Oxford(D) None of the above
- f) The size of accumulator in 8051 is \_\_\_\_\_ bits.  
(A)4 (B) 8(C)10(D) 16
- g) What is size of internal RAM in the 8051?  
(A)4MB(B) 4KB(C)0 GB(D)128 BYTE
- h) How many parallel I/O ports are there in the 8051?  
(A)1(B) 2 (C) 3(D)4
- i) The number of timers in the 8051 is \_\_\_\_\_.  
(A)4 (B) 2 (C) 8 (D)3
- j) \_\_\_\_\_is default register bank.  
(A)BANK-3(B)BANK-2(C) BANK-1(D)BANK-0
- k) How many serial ports are there in the 8051?  
(A)4 (B) 2 (C) 1 (D)8
- l) The instruction used in 8051 to interchange the nibbles of Accumulator is \_\_\_\_\_.  
(A)MOV(B)INX(C)XCH(D)SWAP



