		MARCH 2014		
Q1	**(A)**	**Select correct alternative and rewrite the following :**	**(4)**	
	(a)	…… pin of 8085 MPU is multiplexed . (1)IO/M (2) HOLD (3) SID (4)ALE		
	(b)	LXI RP, Data is ……..byte instruction. (1) TWO (2)ONE (3) THREE (4)FOUR		
	(c)	Internal Data memory of 8051 microcontroller is …… bytes. (1) 128 (2) 128 k (3)256 (4)4 k		
	(d)	…….cable has maximum EMI resistance. (1) THICKEST (2)INNET (3) UTP (4) FIBRE OPTIC		
Q1	**(B)**	**Answer any two of the following :**	**(6)**	
	(a)	explain following Flags of 8085 MPU : (1) Parity Flags (2) Carry Flags (3) Auxiliary Carry Flags		
	(b)	What is a Microcontroller ? state any two advantages over MPU based system		
	(c)	Explain ring topology with diagram. State it two advantages		
Q2	**(A)**	**Answer any two of the following:**	**(6)**	
	(a)	Give function of the following 8085 register (1) PC (2) SP (3) IR		
	(b)	Explain immediate and implied addressing modes of 8085 MPU		
	(c)	Explain any three characteristic of transmission media.		
Q2	**(B)**	**Attempt any one of the following :**	**(4)**	
	(a)	Draw and explain complete memory map of 8081 microcontroller.		
	(b)	What is protocols ? Explain TCP/IP protocols used in networks.		
Q3	**(A)**	**Answer any two of the following :**	**(6)**	
	(a)	What are Interrupts ? Explain Maskable and Non maskable interrupts of 8085 giving examples of each.		
	(b)	What is MODEM ? Explain working of MODEM and specify types of MODEMS .		
	(a)	Explain UTP cable with its any four characteristics .		
Q3	**(B)**	**Answer any one of the following :**	**(4)**	
	(a)	Explain function of the following pins of 8085 MPU: (1) HOLD (2) SID (3) READY (4) WR		
	(b)	Draw programming models of X-86 16 bit and X-86 32 bit Microprocessor.		
Q4	**(A)**	**Answer any two of the following :**	**(6)**	
	(a)	Explain function of register A of 8085 MPU.		
	(b)	Give aleast two advantages and one disadvantages of wirless media over cable media.		
	(c)	List various network access method and explain any one of them.		
Q4	**(B)**	**Answer any one of the following :**	**(4)**	
	(a)	Accumulator content are B8H and register B content are CPh.whats are the		

		content of Aummulator and flags register after execution of instruction ANA B,SUB B independently.		
	(b)	EXPLAIN ALL the generations of microprocessors And give examples of each.		
Q5	**(A)**	**Answer any two of the following :**	**(10)**	
	(a)	Write ALP to store 00H IN register B only if the content memory location 201fh are odd. Otherwise store EEh in register B.		
	(b)	Write ALP to find largest element in a memory block from D000H to D00Fh store largest number at memory location C500h.		
	(c)	Write ALP to add all the BCD numbers in a block from 2001h to 2009h .store SUM at memory location 2000Ah. [Assume SUM IS 8bit].		
		OR		
Q5	**(B)**	**Answer any two of the following :**	**(10)**	