Seat No.: _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-IV (OLD) EXAMINATION - WINTER 2018

•	•	Code: 140/01 Date: 28/11/2018	
-		Name: Microprocessor And Interfacing	
		2:30 PM TO 05:00 PM Total Marks: 70	
Instr	1. 2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) (b)	ii. Explain flag register in 8085.	04 03 04
		ii. The memory map of 8K byte memory chip begins at the location 8000 H. Specify the address of the last location on the chip.	03
Q.2	(a) (b)	- · · · · · · · · · · · · · · · · · · ·	07 07
	(b)		07
Q.3	(a)	instructions with suitable example.	07
	(b)	What do we mean by Addressing Modes? Explain, giving suitable example, all the addressing modes supported by 8085. OR	07
Q.3	(a)		07
	(b)	Explain following instructions of 8085. (i) LDA and LDAX (ii) RAL and RLC (iii) DAA	07
Q.4	(a)	Data block of ten data bytes is stored in memory starting from locations 2000H. Write a program to count even numbers in this data block. Store the result in memory location 3000H.	07
	(b)	•	07
Q.4	(a)		07
	(b)	Explain the function of RIM and SIM instructions in 8085.	07
Q.5	(a) (b)	•	07 07
o -		OR SO254	<u> </u>
Q.5	(a) (b)		07 07