Enrolment Number:	
-------------------	--

PARUL UNIVERSITY FACULTY OF ENGINEERING & TECHNOLOGY B. TECHMIDSEM EXAMINATION WINTER 2022-23

SUBJECT NAME (CODE): Computer Organization and Microprocessor Architecture. (203124209)

BRANCH: AI/BDA/BC/CC/CS/IOT

DATE: 8.8.2022		TIME: 2:30 PM to 4:00 PM	TOTAL MARKS: 40
Sr.No. Q.1	(A) Compulsory Ques	stion (5 MCQ)	Marks 05
	1. 8085 has add a. 4 b. 3 c. 8		
	2. Total number of Pina. 40 b. 32 c. 2	ns in 8085 are 20 d. 16	
	3.MOV A, B is a a. 1 Byte b. 3 By	byte instruction. te c. 2 Byte d. None	
		byte instruction. te c. 2 Byte d. None	
	_	e is a non-vectored Interrupt. a. c. RST 4.5 d. RST 7.5	
	(B) Compulsory Ques	etion	05
		form arithmetic and logical function. (T	
Q.2	(2) Explain classificat (3) What is Address B	TA and MVI instruction with example. ion of Addressing mode. us, Data Bus and Control Bus. Provided Give difference of static and dynamic	RAM

Q.3	Attempt any two (1)Write a program to add two 8 bit of data F5H & 43H stored in memory location 3041H & 3042H. (2)What is Interrupt? Describe function of each interrupt. (3)Draw and explain programmable model of 8085.	08
Q.4	(A) Draw Architecture of 8085 microprocessor.(B)Draw interfacing of EPROM of 4Kbyte and RAM of 6Kbyte with 8085 using the decoder. Also find its starting and ending address of EPROM & RAM.	05 05
	OR (B) Draw the timing diagram of MVI A, 06H Instruction.	05