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## SUBJECT CODE NO:- H-207 FACULTY OF ENGINEERING AND TECHNOLOGY S.E. (CSE/IT) Microprocessor & Computer Organization

## Microprocessor & Computer Organization (REVISED)

[Time: Three Hours]			[Max. Ma	Max. Marks: 80]	
N.B	1) Q. 1 & 2) Solve	c check whether you have go to are compulsory.  any two questions from reme suitable data if necessar  Section			
Q.1	Solve any five:-			10	
Q.2	ii) Which factive iii) What is divicted iii) What is divicted iv) List out an very what is us vi) What is IV vii) Describe II  a) For the follow address. Directive iii MOV iii MOV iii MOV iii MOV iii MOV iii) MOV iii MOV ii MOV iii MOV iii MOV ii MOV i	fference between assemble y four differences between e of READY pin in 8086? T?  DAA instruction with examing instructions identify adtion flag is set.  SB  AX, [SI]  CX, [BX + SI]  DX, 01888 H	pace of microprocessor and How? r directives and instructions? 8086 and 8088 microprocessor?	10	
	v) PUSH Where, [CS]=0100 H [SS] = 0CD09H [IP] = 0000H [SP] = 001C1 H	[DS] = 0AC00H [BX] = 03417H [SI] = 0193FH	[ES] = 0B930H [BP] = 09000H [DI]= 0F3EEH		
	b) Draw and expl	lain read cycle timing diag	ram of 8086 for minimum mode.	05	
Q.3	a) Explain the mi	inimum mode configuration	n of 8086 with neat diagram?	07	
	b) What is memo	yry map? Explain the conce	pt of even and odd memory banks?	05	

## **EXAMINATION MAY/JUNE 2018**

		·	of following pins in 8		03
	i)	IESI	ii) ALE	iii) INTR	
Q.4		Vrite an interact quivalent HEX		age program to convert two digit	BCD number into 08
		What is Interrupt ddress of ISR?	t vector table? How i	it is related with ISR? For int 31H	I how system finds 07
Q.5	Write she	ort notes (any th	nree)		15
	i) ii) iii) iv) v)	TSR program PSP .EXE VsC Near and Far 8088 Maxim	OM Files Procedure		
		V P		Section B	
Q.6	Solve an	y five:-			10
	i) ii) iii) iv) v) vi) vii)	List out any to What is RISO Enlist any for What is PRO What is data	ur features of V <sup>th</sup> go M?	trol unit? eneration of computers?	
Q.7	a) E	xplain Von Neu	umann Architecture	with neat diagram?	05
	b) E	escribe function	nal components of a	computer?	05
	c) C	Compare and co	ntrast CISC and RIS	C?	05
Q.8	a) V	What is control u	ınit? How it is desig	ned? Explain any one method.	08
55 55 55 5 55 55 (	b) <b>V</b>	Vhat is instruction	on cycle? Explain di	fferent steps of instruction cycle v	with example. 07

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Q.9	a) What is memory organization? Explain in detail hierarchical memory organization?				
	b) What is serial port? Explain COM port in detail?	04			
	c) Explain semiconductor memory in detail.	05			
Q.10	Write short note (any three)	15			
	1) SRAM and DRAM	505 F			
	2) SCSI and USB bus	(9°97)			
	3) Data Path	D.			
	4) Classification of computers				
	5) Output devices				
	6) Working of ALU				