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Y-469-2019

FACULTY OF SCIENCE

B.Sc. (Second Year) (Fourth Semester) (Backlog) EXAMINATION NOVEMBER/DECEMBER, 2019

(CGPA Pattern)

COMPUTER SCIENCE

Paper VIII

(ALP Using 8086 Microprocessor)

(MCQ + Theory)

(Friday, 13-12-2019) Time— Two Hours					Time: 2.00 p.m. to 4.00 p.m.	
				S. S. VI. VI. VI.	Maximum Marks—40	
N.B. := (i) Attempt All questions.			ttempt All questions.			
	(i	i) A	ssume suitable data, if	necessar	XO STATA	
		A P	M)	CQ)	4, 4, 7, 6, 6, 4, 4, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6,	
1.	Select the correct answer for the following				10	
	(i)	80,00	is the part of erformed:	on that identifies the operation to		
		(a)	Operand	(b)	Opcode	
		(c)	Data	(d)	None of these	
	(ii)	ʻADI	O AX, BX'—In this instr	ruction 'A	X' is called	
		(a)	Source operand	(<i>b</i>)	Destination operand	
	5,00	(c)	Register	(d)	Mnemonic	
	(iii)	The	machine language outp	out produ	aced by the assembler is called:	
	SON TO A	(a)	Object code	(b)	Source code	
420		(c)	Mnemonic	(<i>d</i>)	Data code	

P.T.O.

2.

WT		(3) Y 469	9—2019		
3.	(a)	Explain ADC, 'SBB' and 'DAA' isnructions with example.	5		
	(<i>b</i>)	Explain rotate instructions with example.			
		Or A STATE OF THE			
	Write	an assembly language program to add to 16-bit numbers.	10		
4.	(a)	Explain PUSH and POP instructions with example.	5		
	(<i>b</i>)	Explain unconditional jump instruction with example.			
			25,72 KL		
	(c)	Explain instructions used to scan the string with example.	5		
	(d)	Write an assembly language program to find largest among t	hree of		
		bit numbers.	5		