(37/A-7)

SARDAR PATEL UNIVERSITY No. of Printed Pages: 2 S.Y.B.C.A. - (SEM – III) - (CBCS) EXAMINATION 2018 US03EBCA01 - INTRODUCTION TO MICROPROCESSORS

TIME: 02: 00 P.M. TO 04: 00 P.M. NOTE: Right hand figure indicates the marks of each question.				DATE: 02 – 11 – 2018 (Friday) TOTAL MARKS: [70]	
Q-1	Select an appropriate o	ption for following multip	le choice questions.	[10]	
1.	The is respon	nsible for performing all ext	ernal bus operations.		
	A. EU	В.	BUS		
	C. BIU		ALU James HACK Rape VORA und p CE A.		
2.	The are used	I to balance power supply in	computer.		
[111]	A. Transistors	ob ai otganies civilià a se Bl	Capacitors Capacitors Capacitors		
	C. Micro Chips	D.	None of these		
3.	The assembler list file e				
	AOBJ		.LST		
10	CLIS		ALU ansuri ya hengol Ila sidifasid A		
4.	DIV stands for				
(04)	A. Division	'	Signed Division		
		ion D.	None of these		
5.		ing operands.	None of these		
3.	A. Bits of two		D		
		В.	Bytes of two		
[05]	C. Words of two		All of these and all		
6.	The Full Form of AAA	instruction is	B. Describe DAT means now undered with		
[80]	A. Adjust for Addi	tion B.	Adjust After Addition		
			None of these		
7.	ROL stands for Rotate_	of operand Left.			
282	 A. All Bytes 	B.	Each Bytes		
ieui	C. All Bits	m/cs-line/ 2004 June 1009 D.	Each Bits 1,100 the short made a strong A		
8.	JZ is executed when zer	σ .			
[65]	A. Reset	quinza nii v. ht. tz. fina 10 B.	Set Write a short norman hand a sin W. Xi-		
	C. Undefined		None of these		
9.	The END directive ends	s the .		325	
	A. Segment		Program with anyone both and with A. A.		
	C. Procedure		None of these		
10.		ve is used to indicate the	of logical segment.		
200	A. Start		End		
	C. Address		None of these		
	C. Address	şį (γ D.	None of these		
Q - 2	Short questions (Atten	npt any Ten) de all estate and		[20]	
1,20	Define the term Microp	rocessor and List all compor	nents of it. I gidal and manage a stock at		
2.	What is Pipelining?	3 tendent			
3.	Give a full-form of the given terms: CF, PF, AF, OF				
4.	State the example of SUB instruction with Syntax.				
5.	Explain NOT instruction with syntax.				
6.	State the example of given instructions with syntax and full form: AAD, ADC.				
7.	Example SHR instruction with example.				
8. 9.	What do you mean by conditional jump?				
9. 10.	Describe ROL instruction with example. Define Assembler Directives. Mention all directives.				
11.		ween WHILE-DO and REPE			
12.		EN-ELSE with its syntax.			

P.T.O.

Q-3	A. Explain 8086 internal architecture with diagram.				
	OR (NATE: 02 = 1) = 20)	With the second state of			
Q-3	OR A. What is an Assembler? Explain the concept of assembler.				
lon					
	B. Explain all major directions in microprocessor evaluation.		[05]		
Q – 4	A Explain MOV and CMD instruction in Let I and	A BH.	[06]		
	As Explain WOV and Civit instructions in detail with example.				
	B. Describe INC and DEC instructions along with its example in detail.				
	De Tenteral Description of the Contract of the				
	OR	. 180. A			
Q – 4	A. Describe all logical instructions in detail.		[06]		
	B. Explain DIV instruction in detail.		[04]		
	n Sone of these	Schrift haming 1 . 1			
Q = 5	A. Explain LOOPZ instruction with example.		[05]		
	R Describe INC instruction in detail with	The Full Form of AAA in	-6-		
		A. Adjust for Additi C. ASCII Adjust for	[05]		
		ROL stands for Rotme			
Q-5	A. Write a short note on Rotate Instructions ROL and ROR with ex	A. All Bits along	[05]		
	B. Write a short note on Shift Instructions SHL and SHR with exam	PARTON TO	[05]		
C6	A. Which are the Looping structures? Explain any one in detail.	Y Sepplent	[05]		
	B. Write a program for largest number from given three numbers.		1051		
	r salam et imgest nambet from given tince numbers.		[05]		
	O OR				
Q-6	A. Explain ASSUME and DB assembler directives in detail with ex	amnle Francisson trout	rôe) O		
	B. Write a program for Multiplication (Without MUL Instruction).	When a Papelining?	2.		
	or terms to	dive a full form of the give state the example of \$1/1; xplain NOT manuetion			
	2003 2003 2003	sylvin NOT manusticu			
to ^{on}	State the example of given instructions with script and will logge AAD AD				
	Example SPIS instruction with example				
		What do you mean by con			
		Secrebe ROL instructions			
	res. Merrico di ano dess. eo WHILL-Lot cand RF "E a T-1 WIIL.				
39	aggigen er junktion two disputational and the first size Annual and a first size of the first size of	system modified H - 1111			
	E.				