	Į.	Department of Information Technology	,	,	
Program	B.Tech. (IT)	Semester	4 th		
Subject Code	PCIT-108	Subject Title	Computer Archite	Computer Architecture & Microprocessors	
MSE No.	1	Course Coordinator(s)	Er. Gitanjali		
Max. Marks	24	Time Duration	1 hour 30 minutes		
Date of MSE					
Note: 1. Attempt a	ll the questions in serial order.				
Q. No.		Question		COs, RBT level	Marks
Describe the main purpose of assembly language? What are the advantages of assembly language over machine language?			CO3, L2	2	
A computer register T of 8-bits is having hexadecimal CB as its initial value. What will be the value of status bits CY, S, Z, P and AC after adding the immediate operand hexadecimal E9 to T.				CO1,L4	2
With the help of flowchart, Illustrate the different phases of instruction cycle.			CO2, L2	4	
and ope	rand that must be loaded into an	contains the number 200. Evaluate the cumulator if the addressing mode of the			1
(b) Imr (c) Rel (d) Reg	ect nediate ative gister Indirect ex with R1 as the Index register	Dre lift even to add in Mode,	reggivy		
(b) Imr (c) Rel (d) Reg (e) Ind (Q5) Suppose Using th given in	nediate what continued at the continue of the	decimal number and input 2 nd as 75 Hes language program that performs addition nerated is a 16-bit number. Also pro	cadecimal number.	COS, L6	4
(b) Imr (c) Rel (d) Reg (e) Ind Q5 Suppose Using th given in represen (O6 Sketch o (a) Ger (b) Add (c) Inst (d) Inct (e) Tin (i) AL (g) Sta	what a mediate active gister Indirect ex with R1 as the Index register. we have input 1st as 84 Hexactes inputs, write an assembly puts and show the output gentation of the hexadecimal inputs and the architecture of the 8085 moderal purpose and Specific purpose and Specific purpose and Specific purpose and Specific purpose are greater and specific purpose and Spe	decimal number and input 2 nd as 75 Her language program that performs addition nerated is a 16-bit number. Also prointo binary form. Increprocessor. Elucidate the following use registers, Register pairs fer	cadecimal number.	CO5, L6	8
(b) Imr (c) Rel (d) Reg (e) Ind O5 Suppose Using th given in represen O6 Sketch o (a) Ger (b) Add (c) Inst (d) Inci (e) Tin (f) AL (g) Star (h) Inte	mediate ative gister Indirect ex with R1 as the Index register we have input 1st as 84 Hexac less inputs, write an assembly puts and show the output gertation of the hexadecimal inputs ut the architecture of the 8085 meral purpose and Specific purpodress Buffer, Address/Data Buff. ruction Decoder rement/Decreinent Address latching and Control Circuitry and it use Flags	decimal number and input 2 nd as 75 Her language program that performs addition nerated is a 16-bit number. Also prointo binary form. Increprocessor. Elucidate the following use registers, Register pairs fer	cadecimal number.		
(b) Imr (c) Rel (d) Reg (e) Ind OS Suppose Using th given in represen OS Sketch o (a) Ger (b) Ado (c) Inst (d) Inco (e) Tin (f) AL (g) Sta (h) Into	mediate ative gister Indirect ex with R1 as the Index register we have input 1st as 84 Hexac less inputs, write an assembly puts and show the output gentation of the hexadecimal inputs the architecture of the 8085 meral purpose and Specific purpodress Buffer, Address/Data Buffer curetion Decoder rement/Decrement Address latching and Control Circuitry and it Utts Flags errupt Control and its pins as (CO) Students will be able to:	decimal number and input 2 nd as 75 Her language program that performs addition nerated is a 16-bit number. Also prointo binary form. Increprocessor. Elucidate the following use registers, Register pairs fer	adecimal number. In operation on the vide the complete		
(b) Imr (c) Rel (d) Reg (e) Ind OS Suppose Using th given in represen (b) Add (c) Inst (d) Inci (e) Tin (f) AL (g) Sta' (h) Inte Course Outcomes	mediate ative gister Indirect ex with R1 as the Index register we have input 1st as 84 Hexac less inputs, write an assembly puts and show the output ger tation of the hexadecimal inputs ut the architecture of the 8085 meral purpose and Specific purpodress Buffer, Address/Data Buffer and Control Circuitry and it U tus Flags errupt Control and its pins (CO) Students will be able to:	decimal number and input 2 nd as 75 Her language program that performs addition nerated is a 16-bit number. Also prointo binary form. Discreprocessor. Elucidate the following use registers, Register pairs fer	guage programming		
(b) Imr (c) Rel (d) Reg (e) Ind Q5 Suppose Using th given in represen (A) Ger (5) Add (c) Inst (d) Inct (e) Tin (f) AL (g) Star (hr) Inte Course Outcomes 1 Identify co	mediate ative gister Indirect ex with R1 as the Index register we have input 1st as 84 Hexac less inputs, write an assembly puts and show the output gertation of the hexadecimal inputs the architecture of the 8085 meral purpose and Specific purpodress Buffer, Address/Data Buffruction Decoder rement/Decrement Address latching and Control Circuitry and it U tus Flags errupt Control and its pins as (CO) Students will be able to mputer systems, memory organic truction formats, RISC and CISC and CI	decimal number and input 2 nd as 75 Her language program that performs addition nerated is a 16-bit number. Also prointo binary form. Dicroprocessor. Elucidate the following use registers, Register pairs fer s pins	guage programming		
(b) Imr (c) Rel (d) Reg (e) Ind Q5 Suppose Using th given in represen (C) Sketch o (a) Ger (b) Add (c) Inst (d) Ince (e) Tin (f) AL (g) Sta (hr) Inte Course Outcomes I Identify co Clarify ins Solve basic	mediate ative gister Indirect ex with R1 as the Index register we have input 1st as 84 Hexac less inputs, write an assembly puts and show the output gertation of the hexadecimal inputs the architecture of the 8085 meral purpose and Specific purpodress Buffer, Address/Data Buffruction Decoder rement/Decrement Address latching and Control Circuitry and it U tus Flags errupt Control and its pins as (CO) Students will be able to mputer systems, memory organic truction formats, RISC and CISC and CI	decimal number and input 2 nd as 75 Her language program that performs addition nerated is a 16-bit number. Also prointo binary form. Incroprocessor. Elucidate the following use registers, Register pairs for a spins. It is pins Zation, Microprocessor and assembly language architecture and different addressing mage the instructions of microprocessor.	guage programming		

,,