reviewer4@nptel.iitm.ac.in ▼ Courses » Computer Organization and Architecture A Pedagogical Aspect Announcements Course Ask a Question **Progress** FAQ **Unit 5 - Week 4: Addressing Modes, Instruction Set and Instruction Execution Flow** Register for **Assignment for Week 4 Certification exam** The due date for submitting this assignment has passed. Course Due on 2019-02-27, 23:59 IST. As per our records you have not submitted this outline assignment. 1) An instruction SUB 3030 How to access 1 point the portal Subtracts 3030 to the value in Accumulator and stores the result in the memory location 3030 Week 1: Subtracts the value in memory location 3030 to the value in Accumulator and stores the **Fundamentals of** result in Accumulator **Digital Computer** Subtracts 3030 to the value in Accumulator and stores the result in Accumulator Week 2: None of the above Fundamental of Digital Computer No, the answer is incorrect. Score: 0 Week 3: Addressing **Accepted Answers:** Modes. Subtracts the value in memory location 3030 to the value in Accumulator and stores the result in Instruction Set Accumulator and Instruction **Execution Flow** 2) The instruction ADD 3030 is of 1 point Week 4: A 3-address instruction format Addressing A 2-address instruction format Modes, **Instruction Set** A 1-address instruction format and Instruction **Execution Flow** A 0-address instruction format I ecture 1: No, the answer is incorrect. Instruction Score: 0 **Format Accepted Answers:** Lecture 2: A 1-address instruction format Instruction Set 3) STORE R1, 3030 is 1 point Lecture 3: Addressing © 2014 NPTEL - Privacy & Terms - Honor Code - FAQs -In association with A project of

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Modes,		Score: 0	Score: 0									
Instruction Set and Instruction	ce De	Accepted Answers:  Data transfer instruction										
Execution Flow												
		4) Which of the following options represents the correct matching?										1 point
Week 6: Organization		Addressing Mode   Description									$\overline{}$	•
and Optimization		1. Immediate			A. the address field refers to the address of a word							
of Micro-		in the memory, which in-turn								ains 1	the	
programmed Controlled					address of the operand							2
Control Unit		2. Direct			B. the address field contains the address (in main memory) where the operand is stored							
		3. Indirect			C. operand value is present in the instruction itself							2
Week 7: Organization					(address field)							
and Optimization		Register Direct D. the address field of the operand is a register									₩.	
of Micro- programmed												
Controlled												<b>A</b>
Control Unit		1->A; 2->D; 3->C; 4->B;										<u></u>
Week 8:		1->C; 2->B; 3->D; 4->A;										200
Organization		1->C; 2->B; 3->A; 4->D;										
and Optimization of Micro-	Optimization											
programmed	No, the answer is incorrect.											
Controlled Control Unit												
Control Onit												
Week 9: Memory	Accepted Answers: 1->C; 2->B; 3->A; 4->D;											
Sub-system Organization	r-system											
Organization		5) Consider an example of memory organization as shown in the figure below. Which value <b>1</b> po will be loaded into the accumulator when the instruction "LOAD DIRECT 3" is executed?										
Week 10:		will be loaded i	nto tn	e accumi	liator wne	en the instr	uction "LOA	ID DIRECT	3" IS exec	utea?		
Memory Sub-system		Memory	0	1	2	3	4	5	6	7		
Organization		Location										
		address										
Week 11: Memory		Content	10	23	25	20	12	3	1	2		
Sub-system											J	
Organization		_										
Week 12:		<b>3</b>										
Input/output	output 0 25											
Subsystem		O 12										
TEXT		O 20										
TRANSCRIPTS												
		No, the answer is incorrect.  Score: 0										
	Accepted Answers: 20											
												f 1 noint
	6) As per the example shown in the previous question (question 5), what will be the content of 1 poin the accumulator when the instruction "LOAD INDIRECT 7" is executed?											n 1 point
		20.20.000000000000000000000000000000000										
		2										
		© <sub>25</sub>										
		O 7										
		O 20										
		No, the ans Score: 0	wer is	s incorre	ct.							
	Accepted Answers:											



