# 2020년 2학기 컴퓨터구조 기말고사 답안지 (점수:

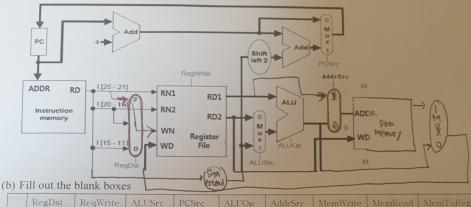
점)

이름 학번

(\*\*\*문제를 풀고 답안지를 휴대폰으로 찍어서 과제란에 올려주세요. 답안지는 2장을 넘기지 마세요)

## Problem 1) answer (if you cannot print this, draw the modified parts only)

(a) Draw the necessary lines on the figure (수정된 부분만 그려도 됨)



## Problem 2) answer

1 Toblem 2) answer		
(1)	(2)	
0.001101012	8.5%	
= 1. 10 lol 2 X 2 (4-17) = 1 x (1.10 lol) 2 X 2(4-17)	$= ( 00,0 _2)^2$ $= ( .00 _2 + 2( 0-8 ))$	
= 1x (1.10101)2 X 2"	$=(1.00)_2 + 2^{10}$	
= 0 ololo 110 & hit IET =4	= 0 1000000 8-11-7 IEEUZA	

## Problem 3) answer

テトトのきませ なるかかさしい

Sub Faz, Faz, Sal IF ID EX MEM WB beg Faz, 80, Rambon IF ID EX MEM WB

1 Purpose PC+43 SCHUERY MUXZ CHA YULL

<sup>\*</sup> ALUOp는 {Add, Sub, OR, AND, SLT} 중에서 선택

	Instruction/	EX) IF CHOOL OF BEX
	Inst. Sequence	add \$a1, \$t1, \$\$1
	Purpose	ा मार्ट भागा है ते देश हैं तिक विकास कर हैं।
2	Instruction/	ex) In, sh, addi
	Inst. Sequence	IW 94, 8(900)
3	Purpose	सागसङ साहाड मिर्ते सागधा साण्टात
	Instruction/	GKI FZa1
	Inst. Sequence	Sw \$03,0(3to)
	Purpose	WBEFFILMIN EX ELDIS CHOIEN XISS.
4	Instruction/ Inst. Sequence	ex) BE R-TYPE, A501  IW \$t1,0(900)  IW \$t2,4(900)  Odd \$11, \$t1,8t2

#### Problem 5) answer

Instruction throughput

#### Problem 6) answer

TEANUT TO LYNNING STENDED RUSHING THE HINDERS HINDERS HINDERS THE TENSER

## Problem 7) answer

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## Problem 8) answer

ID/EX. MemRead == | AND ((I)/EX.rt == IF/ID.rs)OR(ID/EX.rt== IF/ID.rt)))

## Problem 9) answer

Address Tag	Cache Index	Byte Offset
8 - 6	5-3	2-0

주소 (binary)	Hit/Miss
00000000	Miss
00000101	Hit
00111111	Hit
000 <b>00001</b>	Miss
00111110	Hit
00000100	Hit