## Computer Architecture I Final

Chinese Name:			
Pinvin Name: _			
,			
Student ID:			
F Mail @char	ahaitaah adu an		

E-Mail ... @shanghaitech.edu.cn:

Points	Score
1	
14	
7	
5	
11	
8	
6	
7	
7	
20	
12	
2	
100	
	1 14 7 5 11 8 6 7 7 20 12 2

- This test contains 14 numbered pages, including the cover page, printed on both sides of the sheet.
- We will use Gradescope for grading, so only answers filled in at the obvious places will be used.
- Use the provided blank paper for calculations and then copy your answer here.
- Please turn **off** all cell phones, smartwatches, and other mobile devices. Remove all hats and headphones. Put everything in your backpack. Place your backpacks, laptops, and jackets out of reach.
- You have 120 minutes to complete this exam. The exam is closed book; no computers, phones, or calculators are allowed. You may use two A4 pages (front and back) of handwritten notes in addition to the provided RISC-V green sheet.
- There may be partial credit for incomplete answers; write as much of the solution as you can. We will deduct points if your solution is far more complicated than necessary. When we provide a blank, please fit your answer within the space provided.
- Do **NOT** start reading the questions/ open the exam until we tell you so!
- Unless otherwise stated, always assume a 32-bit machine for this exam.

1	1.	First Task (worth one point): Fill in you name
		Fill in your name, email and student ID on the front page and your ShanghaiTech email on
		top of every following page (without @shanghaitech.edu.cn) (so write your email in total
		14 times).