Q1: 22 out of 88 students answered this question. In (c), some students did not realize that the question asked about "Give two examples of data structures used by a compiler...", which required exactly this: two examples.

Q2: All students answered this question. The answers to (a) were generally ok. In (b) some students failed to realize that all strings of length 3 can be produced. In (c) there were several errors with the application of the algorithm. No problems worth mentioning in (d), (e).

Q3: 74 students answered this question. In (a)(i) many students did not realize that there is a clear definition of what an ambiguous grammar is and they should have used it to show that the grammar is ambiguous. In (a)(ii) many of the answers did not remove all ambiguity. In (b), some students missed the parse tree.

Q4: 17 out of 88 students answered this question. No particular problems stand out, part (d) was perhaps the most difficult to answer correctly (but expectedly so).

Q5: 68 out of 88 students answered this question. Some of the answers in (a)(i) did not clearly show that no more than 4 live ranges are live in every instruction (which proves the point). In (b)(i) many students did not describe a list scheduling algorithm for this particular hypothetical system (which raises two issues, namely, how to calculate weights and how to allocate), but the standard algorithm. The answers to (b)(ii) were generally ok, but there was an unusually high number of wrong answers that scheduled dependent instructions at the same cycle or used the weight as the latency of the schedule.