

CS339 Autumn24 Midsem Eval Marking Scheme

Q1: (a) 3 marks if the figure matches with what we learnt in the class on Monday; partial marks for omissions and mistakes.

(b) 1 mark for the right box.

(c) 1+1 for the two parts.

Q2: (a) 1+1 for the right answers.

(b) 1+1 for the right answers.

(c) 2 marks for pointing out the right changes in the answer to 1(a).

Q3: 2 marks in each case where the answer is justified with a code example. 0.5 marks for just stating true or false correctly.

Q4: (a) 2 marks for each right derivation; partial marks for skipping steps and ignoring alpha-conversion where needed.

(b) 0.5 marks for each right match.

Q5: (a) 1 mark only if you have written 1 and 4 both. (If you have written 1, 4 and 5 with the right justification, you can mention the same in the form.)

(b) 1 mark for pointing out the problem (applicative order forces arguments at call sites). 0.5+0.5 marks for pointing out two alternates.

(c) 1+1 marks for giving an equivalent Cheesy functional version and justifying how it's better. 1 mark for proposing another functional alternative (should not be syntactic sugar over the Cheesy version).