

Assignment Project Exam Help

<https://eduassistpro.github.io/>

Add WeChat edu_assist_pro

Revision Lecture 2014

The Exam 2014



❧ May 22nd 2014

Assignment Project Exam Help

❧ EXAMCHA

<https://eduassistpro.github.io/>

❧ 2½ hours

Add WeChat edu_assist_pro

❧ Answer 3 questions from 5

❧ Eg: 30 minutes reading + 40 minutes per question

❧ (about 1.2 minutes writing per mark)

❧ Timing!!! If part of a question is worth 10 marks, don't exceed 12 minutes !!!

How to gain marks



- ❧ Again - get you timing right!
Assignment Project Exam Help
- ❧ For each ques can think of in
connection w <https://eduassistpro.github.io/>
- ❧ Don't give one-line answers
Add WeChat edu_assist_pro
- ❧ Don't stop just because you stion/answer is
simple
- ❧ Be guided by timing (1.2 minutes per mark) but
thereafter, the more you write the more marks you might
gain.

Frequently Asked Questions



- ❧ Will the questions be like last year?
 - ❧ Yes and No. Similar structure, different questions.
- ❧ What kinds of questions?
 - ❧ See the past papers!!!
 - ❧ Analyse the last 7-10 years – it will be similar
 - ❧ Growing trend – more problem solving
 - ❧ Growing trend – more programming

Assignment Project Exam Help

<https://eduassistpro.github.io/>

Add WeChat edu_assist_pro

Syllabus Reminder



Assignment Programming Project Implementation Exam Help

<https://eduassistpro.github.io/>

Add WeChat edu_assist_pro

Lambda
Calculus

Miranda

h
ion

Memory
Management

Example revision topics (this is NOT a complete list)



- ✧ The Lambda Calculus – syntax; α , β , η , δ reduction; reduction orders (normal, applicative, parallel), normal forms (NF, **Assignment Project Exam Help** <https://eduassistpro.github.io/> “bound”, “free”)
- ✧ Miranda – functions, types, typing, accumulating parameter, parameter of recursion, of recursion, tuples, lists, recursive types, currying, partial functions, partial applications, pattern matching, structural induction, polymorphism, high-order functions, combinators, map, filter, foldr, foldl, algebraic types, linked lists, trees, sorted trees, functional representation of data

Some revision topics (examples continued)



- Implementation – strict and lazy evaluation, combinators (fixed & variable set), graph reduction, shared pointers and cyclic pointers, redexes, roots and indirectio

Assignment Project Exam Help

<https://eduassistpro.github.io/>

Add WeChat edu_assist_pro

- Automatic memory management, memory allocation, pointer-increment, free list, first-fit, next-fit, best-fit, coalescing, Knuth boundary tags, blocks, block headers, bits, fragmentation, compaction, garbage collection, mark-scan, two-space, reference counting, root pointers, comparison,

Assignment Project Exam Help

<https://eduassistpro.github.io/>

Add WeChat edu_assist_pro

Revision Lecture 2014