Name _____

Student number _____

SE 2AA4 Winter 2007

Quiz 3 Answer Key

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You have 10 minutes to complete this quiz consisting of 2 pages and 5 questions. You may *not* use your notes and textbooks, nor may you use any calculators or other electronic devices. Circle the *best* answer for the multiple choice questions, and write the answer in the space provided for the other questions. Good luck!

(1) [4 pts.] Refinement is the opposite of

    (a) Incrementality.

    (b) Generality.

    (c) Modularity.

    (d) | Abstraction. |

(2) [4 pts.] If an argument is valid, then

    (a) The conclusion is true.

    (b) | The conclusion follows from the premises. |

    (c) The argument is expressed in a formal language.

    (d) All of the above.

(3) [4 pts.] Which of the following files is the most dangerous?

    (a) `-rwsr-xr-x root bozos 40552 5 Dec 11:06 passwd`

    (b) `-rwxrwxrwx root bozos 40552 5 Dec 11:23 passwd`

    (c) `-r-sr-xr-x bozo admin 40552 5 Dec 11:39 passwd`

    (d) | `-r-sr-xrwx root admin 40552 5 Dec 11:56 passwd` |

(4) [4 pts.] In the Java programming language, what is used to reclaim allocated memory that is no longer needed?

Answer: Garbage collection.

(5) [4 pts.] According to the technique of *information hiding*, what should be hidden in a software design?

Answer: Whatever is likely to change.