Exam1 will focus on the basics of the Java language and object programming in chapters 1 to 6 in the textbook.

- You should know the primitive data types and sizes (a nice thing about Java is that these are the same for all implementations of Java run-time systems independent of the underlying CPU and its inherent data sizes)
- Scope and lifetime of variables
- Arithmetic operators; short-circuit logic operators; shorthand assignments
- Rules re type conversions; using casting to deal with incompatible types
- Program control statements (if, else, else if, switch, for, while, do-while)
- break statements
- Arrays, one and two dimensional; how to create; how to access
- Defining a class, class constructors with/without parameters (i.e. with and without arguments)
- Methods, defining, passing parameters to and returning a value
- Overloading constructors
- Overloading methods
- Meaning and implications of static methods and variables
- Bitwise operators such as AND, OR, Shift, etc
- Meaning of public and private classes (as covered in chapter 6)

- There likely will be a given section of code in which errors must be identified.
  There will be an unfinished section of code where you will be asked to complete short segments.
- There will be a question(s) that ask you to write a Java class or method that implements a given functionality. This will be short, not some long complicated program.

Things that will not be on the exam:
- Irregular arrays
- Command line arguments
- Subclasses
- For-Each style loops
- The ? operator
- The continue statement
- The finalize( ) method