MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

1) Binary numbers are composed entirely of
   A) 0        B) 1        C) 0, 1        D) 0, 1, 2        E) 0-9

2) In the following list, which statement is not true regarding Java as a programming language?
   A) It is a relatively recent language, having been introduced in 1995
   B) It is a language whose programs do not require translating into machine language before they are executed
   C) It is an object-oriented programming language
   D) It is a language that embraces the idea of writing programs to be executed using the World Wide Web
   E) All of the above are true

3) Which memory capacity is the largest?
   A) 1,500,000,000,000 bytes
   B) 100 gigabytes
   C) 3,500,000 kilobytes
   D) 10 terabyte
   E) 12,000,000 megabytes

4) Volatility is a property of
   A) RAM        B) ROM        C) disk        D) software        E) computer networks

5) In order for a computer to be accessible over a computer network, the computer needs its own
   A) MODEM        B) communication line        C) network address        D) packet        E) router

6) Once we have implemented the solution, we are not done with the problem because
   A) the solution may not be the best (most efficient)
   B) the solution may have errors and need testing and fixing before we are done
   C) the solution may, at a later date, need revising to handle new specifications
   D) the solution may, at a later date, need revising because of new programming language features
   E) all of the above

7) Which of the following is not syntactically legal in Java?
   A) public class Foo
   B) System.out.println("Hi");
   C) |
   D) static main(String[] args)
   E) only B is legally valid, all of the rest are illegal
A unique aspect of Java that allows code compiled on one machine to be executed on a machine of a different hardware platform is Java's

A) bytecodes
B) syntax
C) use of objects
D) use of exception handling
E) all of the above

Which of the following is a legal Java identifier?

A) 1ForAll
B) oneForAll
C) one/4/all
D) 1_4_all
E) 1forall

An error in a program that results in the program outputting $100 instead of the correct answer, $250 is

A) a programmer error
B) a syntax error
C) a run-time error
D) a logical error
E) a snafu

Following Java naming convention, which of the following would be the best name for a class about store customers?

A) StoreCustomer
B) Store Customer
C) storeCustomer
D) STORE_CUSTOMER
E) Store-Customer

A color image is broken down into individual pixels (points), each of which can represent up to how many shades of the basic colors (red, green, or blue)?

A) 2
B) 255
C) 256
D) 32 bits
E) Depends

TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.

13) Java is a case-sensitive language meaning that Current, current and CURRENT will all reference the same identifier.

14) In a Java program, dividing by 0 is a syntax error.

15) During translation, the compiler puts its output (the compiled Java program) into ROM.

16) Inheritance is a form of software reuse.
Answer Key
Testname: AP_CS_TEST_1A

1) C
2) B
3) E
4) A
5) C
6) E
7) D
8) A
9) B
10) D
11) A
12) C
13) FALSE
14) FALSE
15) FALSE
16) TRUE