1) In UNIX, what does the 1s command mean and do?

1s means list file, when called it lists all the files in the present working directory.

2) In UNIX, what does the pwd command mean and do?

pwd means present working directory, when called it tells you what the present working directory is.

3) In UNIX, what does the cd command mean and do?

cd means change directory, it is used to change to a new directory.

4) What is an int? Give an example of an int.

Integer variable, a whole positive or negative number.

5) What is a uint? Give an example of an uint.

Unsigned integer variable. The u prefix is for unsigned. Integers are whole positive numbers.

6) What is a char? Give an example of an char.

Character variable. 1 byte representation of an integer as an ASCII character such as 'Z' or 'z'

7) What is a float? Give an example of an float.

Floating-point number. Very large and very small signed numbers with decimals. Holds 4 bytes. Precision to 6 decimal places.

8) What is a double? Give an example of an double.

A double is the same as float, but holds 8 bytes. Precision to 15 decimal places.

9) What is a const? Give an example of an const.

Often referred to as read-only variables, constants cannot change their value.

10) What is a string? Give an example of a string.

Strings represent sequences of characters, literally a "string" of 1 byte char values strung together.

11) How should you always represent a const when naming it?

Constants are usually CAPITALIZED, e.g. const float PI = 3.14159;

12) Other than const, how should you always start a variable name?

Other variables should start with a lower-case letter and be camelCase. Or, less preferably, PascalCase.

13) What does the * operator do?

Multiplication

14) What does the / operator do?

Division

15) What does the % operator do?

Modulo, gives remainder.

16) What does cout do? Give an example of using cout.

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cout << "test";</pre>
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17) What is end1?

End of line, usually used in cout

18) What is ' \t' and ' \n' ?

Tab and New line character.

19) How is setw() used with cout? Give an example of using setw().

setw() can be used to print an arbitrary number of spaces into cout. setw needs to be declared immediately before the variable to be printed.

20) What does cin do? Give an example of using cin.

cin is used to get input from he user.
int value1;
cin >> value1;

21) What does sizeof() do.

Use to get the exact size of a type or a variable. e.g. sizeof(int);

22) What does // mean in C++.

Two slashes together (//) tells the compiler to ignore the rest of the line.

23) What does /* and */ do in C++, how does it differ from //.

Anything between the /* */ is ignored by the compiler.

24) What does; indicate?

Semi-colon is C++ is a terminal symbol. Every expression of code in C++ must terminate with a; otherwise the compiler won't know where the expression finishes.

25) What is '\'' and '\"'?

The backslash (\) denotes an escape character. The two examples are for single (') and double (") quotes.

26) With computer arithmetic, anything in parentheses () is evaluated first. Which of these operators +, -, *, /, % are evaluated second, and which last?

*, /, % are evaluated second +, - are evaluated last.