Programming Principles and Design   Score: _____

1.   **Which of these is the correct chronological order (oldest to newest) of these 5 programming languages: Autocode, PHP, FORTRAN, C, Python**

- (A) PHP, FORTRAN, C, Autocode, Python
- (B) Autocode, FORTRAN, C, Python, PHP
- (C) C, FORTRAN, Autocode, Python, PHP
- (D) FORTRAN, Autocode, PHP, C, Python

2.   **Which of these is the correct chronological order (oldest to newest) of these 5 programming languages: PL/1, Python, Java, Basic, C**

- (A) Java, Python, PL/1, C, Basic
- (B) Python, C, PL/1, Basic, Java
- (C) Basic, PL/1, Python, Java, C
- (D) PL/1, Basic, C, Python, Java

3.   **Which of these is the correct chronological order (oldest to newest) of these 5 programming languages: Javascript, SQL, C, COBOL, Objective-C**

- (A) SQL, C, COBOL, Objective-C, Javascript
- (B) C, COBOL, Objective-C, Javascipt, SQL
- (C) COBOL, C, SQL, Objective-C, Javascript
- (D) COBOL, SQL, Javascript, C, Objective-C

4.   **Machine Code is an example of a Low-Level programming Language?**

- (A) True
- (B) False

5.   **Which of these are High-Level Programming Languages? (Please choose more than one answer)**

- (A) Python
- (B) Machine Code
- (C) Java
- (D) Ruby
- (E) Javascript

6. **What are the 3 types of loops? (Multiple Correct Answers)**

(A) For Loops

(B) Until Loop

(C) Repeat Until Loops

(D) While Loops

7. **What is the bottom up approach to programming?**

(A) When you start programming from the last line of the program and work your way up

(B) When you think of the basic functionality and the parts you're going to need and build them up.

8. **What type of Variable is: (2 correct answers)**

7

(A) Char

(B) String

(C) Boolean

(D) Integer

9. **What type of Variable is:**

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(A) Char

(B) Integer

(C) String

10. **A programming language is a set of commands, instructions and other syntax used to create a software program.**

(A) True

(B) False

11. **What type of Variable is:**

67.983

(A) Integer

(B) Char

(C) Floating Point Number

12. A Global Variable is declared inside a function and can be used by any function

A True

B False

13. What Type of language extends the functionality of existing software?

A Authoring Language

B Templating Language

C Scripting Language

14. What of these is not an advantage of Modulerization?

A Provides Abstraction

B Allows Code to be reused

C Uses less RAM

D Makes identifying Structures easier

E Allows Multiple Programmers to Work Simultaneously

15. Which of these are Disadvantages of Modulerization? (Multiple Answers)

A Can lead to problems with variable names

B Can lead to problems when modules are linked because link must thoroughly tested

C Is less efficient

D Means documentation of modules must be thorough

16. What is Syntax in Programming Languages?

A Syntax is how to spell

B Syntax is the set of rules about how programs are constructed

17. The top down approach in programming means looking at the bigger picture and breaking the problem to be solved down into smaller problems.

A True

B False

18. What is an 'If' Statement used for?

(A) Looping through numbers

(B) An if statement is a programming conditional statement that, if proved true, performs a function or displays information

(C) Looping through words

(D) An if statement is a programming conditional statement that, if proved false, performs a function or displays information

19. A local variable is declared inside a function and can be used only inside that function

(A) True

(B) False

20. What is object orientated programming?

(A) A variable type

(B) A programming language model organised around objects rather than "actions"