

1. Java Virtual Machine (1pts)

Java Virtual Machine is a virtual machine that enables a computer to load, verify, and execute Java programming.

2. Compilation Process (2pts)

the programmer-readable first goes to the compiler, converting into bytecode and gets executed in the virtual machine.

3. CPU is one of the main components of computer hardware, briefly define a CPU (1pts)

CPU is the central processing unit that performs different tasks based on instructions of code commands.

4. What is a variable in Java? Provide two example of two variable declaration and initialization (2pts)

Variables are containers for storing data values. For example:

```
String name;  
name = "Leo";
```

```
int age;  
age = 21;
```

5. What is a String in Java? Provide an example (1pts)

In Java, a String is a variable that contains a series of characters. For example:

```
String name = "Leo";
```

6. What is Scanner? (1pts)

A predefined Java library for keyboard input.

7. What is a Java Library? Provide an example. (2pts)

A Java Library is a collection of classes that have been written by somebody else already.

For example: `java.lang.Math`