Week 1 : Assignment 1

1.What is the incorrect statement about bytecode?
a. Java when compiles the source code, it converts it to bytecode.
b. JVM (Java Virtual Machine) is an interpreter of bytecode.
c. Bytecode is not portable and it needs to be compiled separately for each platform.
d. JVM offers a protected environment which helps in enhanced safety for the system.
Ans:c

2.Consider the following program
```java
public static void main(String[] args) { /******* boolean b = false; *******/
//nl
public class Test { switch (b) { // n2
String b = "false";
case "False":
System.out.println("a");
}
}
```
What is the output of the above code?
a. a
b. Compiler error due to line nl
c. Compiler error due to line n2
d. Print nothing
Ans:d

3.Which one of the following is not a primitive datatype?
a. byte
b. short
c. class
d. long
Ans:c

4.Which of the following is not a keyword in java?
a. final
b. super
C. integer
d. extend
Ans: c and d

5.Consider the following program.
```java
public class Test {
public static void main(String[] args) {
int a = 5;
a +=6;
switch (a-1) {
case 5: System.out.print ("10"); break;
```

```
case 10: System.out.print ("15");
System.out.print(((a%2==0) ? "-even-" : "-odd-"));
default: System.out.print (a%2); }
}
}
```
What will be the output of the program if it is executed?
a. 15-even-1
b. 15-odd-1
c. 15-even-
d. 15-odd-
Ans: b

6.C:\new> javac Simple.java
javac is not recognized as an internal or external command, operable program
or batch file.
Why does the error "javac is not recognized as an internal or external
command" occur?
a. Path is not set for java
b. JDK is not correctly installed
c. .class file is not found
d. javac jar is missing from java library
Ans: a

7.Following is a piece of code where some parts of a statement is missing:
```
public class Question{
public static void main(String args[]) { char nptel[] = { '1', '2', '3', '4',
'5', '6'};
System.out.print(
}
}
```
In the following, some options are given. You have to choose the correct
option(s) for the argument in System.out.print() function to print the value
102.
a. nptel[nptel.length-2] + nptel[0]
b. nptel[0] + nptel[nptel.length-2]
C. ""+nptel[nptel.length-2] + nptel[0]
d. ""+nptel[0] + nptel[nptel.length-2]
Ans: a and b

8.Which of the following concept that Java doesn't support?
a. inheritance
b. serialization
c. goto
d. array
Ans: c

9.The subsystem of JVM that is used to load class files is known as
a. Classloader

b. JRE
C. JDK
d. Compiler
Ans: a

10.What is the value of total after executing the following code snippet?
int grace = 2:
int mark = 5; int total = mark+ (mark> 6? ++grace: --grace);
a. 6
b. 5
c. 4
d. 3
Ans: a