Core Java: Part 2

1. How to import all package?

a) import java.*;
b) include java.lang;
c) java.package

2.What is the value of "d" after this line of code has been executed?

double d = Math.round (2.5 + Math.random());

a) 2
b) 3
c) 4
d) 2.5

3.Which Statement is true?

```
Public class While
{
public void loop()
{
int x=0;
while(1)
{
system.out.println(“x + 1 is : ”,(x+1) )
}
}
}
```

a) There is a syntax error on line 1.
b) There are syntax errors on lines 1 and 6.
c) run infinity time
d) There is a syntax error in line 6.

4.Determine the output:

```
class output {
public static void main(String args[]){
String buffer s1 = new StringBuffer("Hello world")
s1.insert(6,"Good");
```

```
SOP(s1);
}
}
```

a) Hellogoodworld
b) hellogoodworld
c) Hello Goodworld
d) GoodWorld

5.Determine the output:

```
PSVM()
{
try{
int a = 5;int b = 0;
int c = a/b;
SOP(“World”);
}
Catch(exception e)
{
SOP(“hello”);
}}
```

a) hello
b) world
c) hello world
d) none of the above

6.What is the value of the string returned by getValue("DEMOS")

```
String getValue(String word)
{
if (word.length() == 1)
return "";
else
return getValue( word.substring(0, word.length() - 1) ) + word.charAt(word.length()
- 1);
}
```

a) DEMOS
b) DEMS
c) DEM
d) EMOS

7.Determine the output

SOP (‘1’+new integer (2) +3);

a) 123
b) 13
c) 1
d) 12

8.Determine the output:

StringBuffer s1 = new StringBuffer(“Hello”);

StringBuffer s2 = reverse(s1);

SOP(s2);

a) Hlloe
b) lloeH
c) Hello
d) olleH

9.Write the correct signature of the main method?

a) public Static void main()
b) public Static void main(String args[])
c) public Static void main(String ...)

10.What is the output of this program

```
class output{

public static void main(String args[])

{

Object obj = new object();

System.out.print(obj.getclass());

}}
```

a) class java.object
b) class java.lang.object
c) none of the above

11.Determine the output

```
Class{
PSVM
String str = new String( “.....”);
}
Do{
str = “Hello Stop World ”;
SOP(str);
}
While(str!=Strong);
{
.....
}
```

a) HelloStopWorld
b) Hello Stop World
c) HelloStop
d) none of the above

12.How to declare array of string which one is correct?

a) string[]s;
b) string s[]
c) string []s;

13.What will be the output?

```
class A{
int i;
int j;A(){
I =1;
J=2;
}
}
Class output{
Public static void main(String args[])
{
```

```
A obj1 = new A();

SOP(obj1.toString());

}

}
```

a) A@1cde5f
b) A a 1cde5f
c) A d 1cde5f
d) @1cde5f

14.What will be the datatype of the no 9.6352

a) double
b) Float
c) Double

15.Determine the output

```
public class Question {

public static void main(String args[]) {

String s1 = "uvw";

String s2 = "xyz";

String s3 = s1.concat(s2.toUpperCase( ) );

System.out.println(s1+s2+s3);

} }
```

a) uvwxyzuvwXYZ
b) uvwxyzuv
c) uvwxyzXYZ
d) uvwxyzuvXYZ

16.Determine the output

```
int i = -1;

int b = 10;

int val = b/ i;
```

a) -10
b) 10
c) 10/1
d) error17.

17.How to inherit both the interface and abstract class ?

a) class implemts Info,interface
b) class xyz extends Info implements interface{ void load}
c) class extends Info,interface
d) class implements interface

18.Which operator is used to separate parameters or attributes?

a) &
b) &&
c) and

19.Determine the output

```
public class Delta
{ static boolean foo(char c)
{
System.out.print(c);
return true;
}
public static void main( String[] argv )
{
int i = 0;
for (foo('A'); foo('B') && (i < 2); foo('C'))
{
i++;
foo('D');}
}
}
```

a) ABDCB
b) ABDCBDCB
c) ABCDBDA
d) ABDCBDA

20. import java.util.*;

```
class Array {
public static void main(String args[])
{
int array[] = new int [5];
for (int i = 5; i > 0; i--)
array[5 - i] = i;
Arrays.sort(array);
for (int i = 0; i < 5; ++i)
System.out.print(array[i]);;
}
}
```

a) 12345
b) 54321
c) 123
d) 1234

21.What is the output of this program?

```
import java.util.*;
class Array {
public static void main(String args[])
{
int array[] = new int [5];
for (int i = 5; i > 0; i--)
array[5-i] = i;
Arrays.fill(array, 1, 4, 8);
for (int i = 0; i < 5 ; i++)
System.out.print(array[i]);
}
}
```


a) 12885
b) 12845
c) 58881
d) 54881

22.Determine the output

```
class output {
public static void main(String args[])
{
StringBuffer c = new StringBuffer(
"Hello");
StringBuffer c1 = new StringBuffer
(" World");
c.append(c1);
System.out.println(c);
}
}
```

a) Hello
b) World
c) Helloworld
d) Hello World

23.Determine the output

```
class output {
public static void main(String args[])
{
StringBuffer s1 = new StringBuffer("Hello");
s1.setCharAt(1,'x');
System.out.println(s1);
}
}
```

a) xello
b) xxxxx
c) Hxllo
d) Hexlo

24.Determine the output

```
import java.io.*;
```

```
public class filesinputoutput {
public static void main(String[] args)
{
String obj = "abc";
byte b[] = obj.getBytes();
ByteArrayInputStream obj1 = new Byte
ArrayInputStream(b);
for (int i = 0; i < 2; ++ i) {
int c;
while((c = obj1.read()) != -1) {
if(i == 0) {
System.out.print(Charact
er.toUpperCase((char)c));
obj2.write(1);
}
}
System.out.print(obj2);
}
}
}
```

a) AaBaCa
b) ABCaaa
c) AaaBaaCaa
d) AaBaaCaaa

25.Determine the output

```
class output {
public static void main(String args[])
{
char c[]={'a', '1', 'b' ,' ' ,'A' ,
'0'};
for (int i = 0; i < 5; ++i)
{
```

```
if(Character.isDigit(c[i]))
System.out.println(c[i]+" is a digit");
if(Character.isWhitespace(c[
i]))
System.out.println(c[i]+
" is a Whitespace character");
if(Character.isUpperCase(c[i
]))
System.out.println(c[i]+
" is an Upper case Letter");
if(Character.isLowerCase(c[i
]))
System.out.println(c[i]+
" is a lower case Letter");
i=i+3;
}
}
}
```

a) a is a lower case Letter
   is White space character

b) b is a lower case Letter
   is White space character

c) a is a lower case Letter
   A is a upper case Letter

d) a is a lower case Letter
   0 is a digit

26.Which pattern ?

```
Public static void main(String args[])
{
List<string> List = new ArrayList<string>();
```

```
//add string
List.add(“cricket”);
List.add(“football”);
List.add(“hockey”);
Iterator it = List.iterator();
While(it.hasNext())
{
String s = it.next();}}
```

Iterate Java ArrayList using forEach using lambda expressio

27.What is the output?

```
1. public class TestString1 {
2. public static void main(String[] args) {
3. String str = "420";
4. str += 42;
5. System.out.print(str);
6. }
7. }
```

a) 42
b) 420
c) 462
d) 42042
e) Compilation fails
f) An exception is thrown at runtime.

28.Which three are valid on line 12?

(Choose three.)

```
11. public interface Status {
12. /* insert code here */ int MY_VALUE = 10;
```

a) final

b) static
c) native
d) public
e) private
f) abstract
g) protected

a,b,d

29.Which code, inserted at line 15, allows the class Sprite to compile?

10. interface Foo { int bar(); }

11. public class Sprite {

12. public int fubar(Foo foo) { return foo.bar(); }

13. public void testFoo() {

14. fubar(

15. // insert code here

16.);

17. }

18. }

a) Foo { public int bar() { return 1; }
b) new Foo { public int bar() { return 1; }
c) new Foo() { public int bar() { return 1; }
d) new class Foo { public int bar() { return 1; }

30.What is the result?

11. class Animal { public String noise() { return "peep"; } }

12. class Dog extends Animal {

13. public String noise() { return "bark"; }

14. }

15. class Cat extends Animal {

16. public String noise() { return "meow"; }

17. } ...

30. Animal animal = new Dog();

31. Cat cat = (Cat)animal;

32. System.out.println(cat.noise());

a) peep
b) bark
c) meow
d) Compilation fails
e) An exception is thrown at runtime.