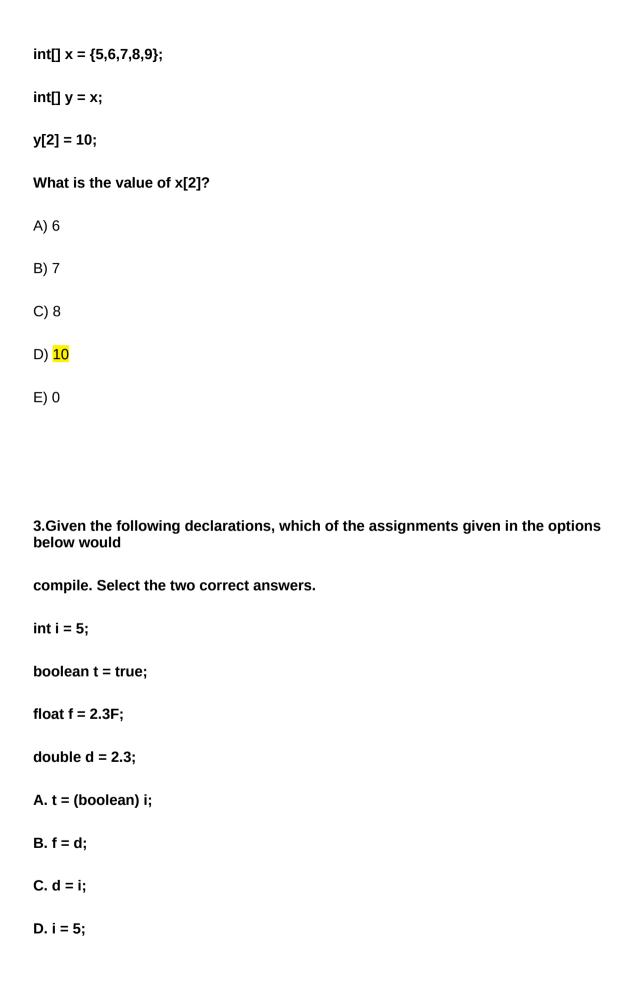
```
1. When is the Float object, created in line 3, eligible for garbage collection?
public Object m()
{
Object o = new Float(3.14F)
Object [] oa = new Object[I]/* Line 5 */
oa[0] = o /* Line 6 */
o = null /* Line 7*/
oa[0] = null /* Line 8 */
return o /* Line 9 */
}
A) just after line 5
B) just after line 6
C) just after line 7
D) just after line 8
E) just after line 9
```



```
E. f = 2.8;
A) A,B,C
B) B,C
C) C,D
D) C,D,E
E) A,D,E
4. How will you save the above java program?
import App;
public class MyApp{
public static void main(String[] args){//code here;
}
}
A) App.java
B) App.class
C) MyApp.java
D) MyApp.class
5. What is the output of the below code:
class Test {
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);
System.out.print(Arrays.binarySearch(array, 4));
}
}
A) 1
B) 1
C) 2
D) 3
6. What is the output of the below code:
public class Test {
public static void main(String... args) {
double d=2D+2d+2.+2l+2L+2f+2F+2.f+2.D;
System.out.println(d);
}
}
A) 18
B) 9
```

```
D) 18.0
E) Run time exception
F) Compiler error
7. What is the output of the below code:
class Test{
public static void main(String[] args) {
try {
int[] array = {1,2,3,4,5};
for (int i = 0; i < 7; ++i) {
System.out.print(array[i]);
}
} catch (ArrayIndexOutOfBoundsException e) {
System.out.print("0");}
}
}
A) 12345
B) 123450
C) 12345
ArrayIndexOutOfBoundException\\
```

C) 9.0

D) Compilation fails

8.What is the output of the below code:
class X{
int a;
static int a;
int Add(){
return a;
}
}
A) 0
B) No Ouput
C) Compilation fails
D) Run time error
9.What is the output of the below code:
int[] array = {0,1,2,3};
array.clear(2);
System.out.println(array);
A) {0,1,3}

```
C) \{0,1\}
D) Compilation Fails
10. Write the valid code to get the month?
public class Test {
public static void main(String[] args) {
Calendar calendar = new GregorianCalendar();
//insert code here
System.out.println(month);
}
}
A) int month = calendar.get(Calendar.DAY_OF_MONTH);
B) int month = calendar.get(Calendar.MONTH);
C) int month = calendar.get(MONTH);
D) int month = calendar.get(MONTH);
11. What is the output of the below code:
package com.manipal.demo;
public class DemoProgram {
public static void main(String[] args) {
```

B) {2,3}

```
Class cls = DemoProgram.class;
System.out.println(cls.getName());
}
}
A) DemoProgram
B) com.manipal.demo.DemoProgram
C) Compilation fails
D) runtime error
12. What is the output of the below code:
public class DemoProgram {
public static void main(String[] args) {
double x = 60984.123;
double y = -497.99;
System.out.println(Math.floor(x)+" "+Math.floor(y)+" "+Math.floor(0));
}
}
A) 60984.2 -498.0 0.1
B) 60984.2 -498.1 0.0
C) 60984.0 -498.0 0.0
D) 60984.0 -498.0 0.0
```

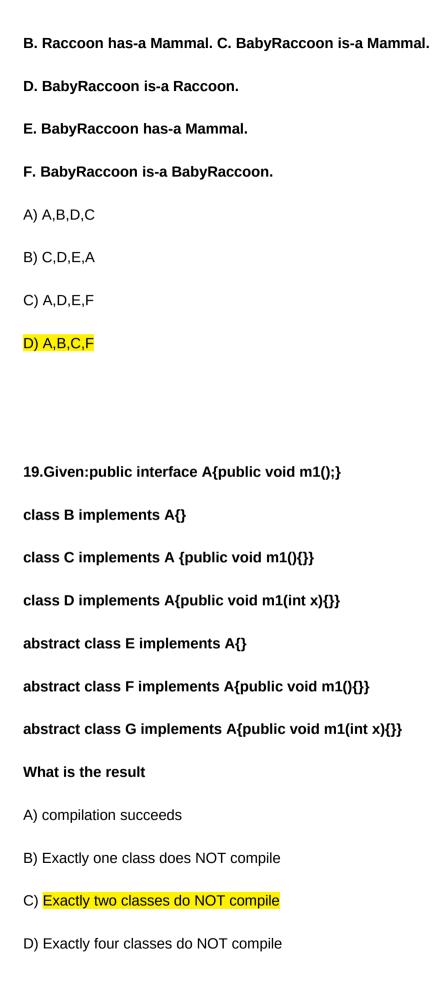
E) Compilation fails 13. Whats is the output of the below code: package com.manipal.demo; public class DemoProgram { public static void main(String[] args) { DemoProgram demo = new DemoProgram(); System.out.println(demo.getClass()); } } A) com.manipal.demo.DemoProgram B) class DemoProgram C) DemoProgram D) class com.manipal.demo.DemoProgram 14. Which statement is valid for the below syntax: while(i<10 && i >24){ } A) while loop never executes always true

B) while loop never executes always false

C) Compilation fails
D) Exception thrown at run time
15.What is the value and data type for the below code:
2+3*5 = ?
A) 17 int
B) 25 int
C) 17 byte
D) 25 byte
16.Determine the output
class Base {}
class Derived extends Base {
<pre>public static void main(String args[]){</pre>
Base a = new Derived();
System.out.println(a instanceof Derived);
}
}
A) true
B) false

17. Given the declaration Circle x = new Circle(), which of the following statement is most accurate. A. x contains an int value. B. x contains an object of the Circle type. C. x contains a reference to a Circle object. D. You can assign an int value to x. A) A B) B C) C D) D 18. Given: class Mammal { } class Raccoon extends Mammal { Mammal m = new Mammal();} class BabyRaccoon extends Mammal { } Which four statements are true? (Choose four.)

A. Raccoon is-a Mammal.



E) Exactly three classes do NOT compile

```
20.Given:
interface Foo { int bar(); }
public class Test {
public static int fubar( Foo foo ) { return foo.bar(); }
public void testFoo() {
fubar(/*Insert Code here*/);
}
}
Which code allows the class Test to compile?
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; }
A) A
B) B
C) C
D) D
```

In Junit @Rule
TestName is invoked when
A) to mark public fields of a test class
B) test is about to start
C) test method is running.
D) All of the above
22.public class ArrayTest {
int[] one; int[] two;
@Before
<pre>public void first(){one= new int[]{1,2}; two= new int[]{1,2};}</pre>
@Test
<pre>public void test() { assertArrayEquals(one, two);}</pre>
}What is the result of executing the above JUnit Test?
A) Test fails as references of both the arrays are not equal
B) Test passes
C) Compilation fails as there is no method assertArrayEquals in Junit
D) Runtime exception occurs

```
class Test{
public static void main(String[] args) {
int a=6,b=12;
for(int i=0;i<3;i++){
a++;b--;
if(a>b){
System.out.println("line of code");
}
else{
System.out.println("else block");
}
}
}
}
How many times "line of code" will execute?
A) 0 times
B) 1 time
C) 2 times
D) 3 times
```

E) Compilation fails

23.

24.How is an abstract class represented in a class diagram?
A) Class Name is Underlined
B) Class Name is in Italics
C) Class Name is in Bold
D) Class Name is in uppercase
25. What is the syntatical error in the below code:
abstract class Sum{
abstract abc(int m,int n);
}
A) body of the method is missing
B) class modifier needs to be changed to public
C) method return type is missing
D) abstract modifier near the method should be changed to public