Question 1

Correct

Mark 1.00 out of 1.00

Flag question

PREDICT THE OUTPUT

Observe the following code

```
class FourWheeler
{
  public void display()
  {
System.out.println("FourWheelers displayed");
  }
  public void get()
 {
 System.out.println("Get FourWheelers");
 display();
 }
}
class Car extends FourWheeler
{
  public void display()
 {
 System.out.println("Cars displayed");
 super.display();
 }

  public static void main(String [] args)
 {
FourWheeler f=new Car();
f.get();
 }

}
```

What is the output of the above code ?

Select one:

- Get FourWheelers
  Cars displayed
  FourWheelers displayed ✔
- FourWheelers displayed
  Cars displayed
- Get FourWheelers
  FourWheelers displayed
- Get FourWheelers
  FourWheelers displayed
  Cars displayed

Question 2

Correct

Mark 1.00 out of 1.00

Flag question

Predict the output

```
Class Icecream{
   public void displayName(String...s){
      System.out.println(s+" " +"Icecream");
   }
   public void describe(String s) {
      System.out.println(s+" " +"Icecream: Ice cream is a sweetened frozen food typically eaten as a snack or dessert.
");
   }
}
class Faloodeh extends Icecream {
   public void displayName (String s){
      System.out.println(s+" " +"Faloodeh ");
   }

   public void describe (String s) {
      System.out.println(s+" " +"Faloodeh:  Faloodeh is often served alongside Persian-style dairy-based ice cream ");
   }
}
public class Test {
   public static void main(String arg[]) {
     Icecream a=new Faloodeh ();
     Faloodeh b=( Faloodeh)a;
      a.displayName ("test"); b.displayName ("test");
      a. describe ("test");b. describe ("test");
   }
}
```

Select one:

- test Faloodeh: Faloodeh is often served alongside Persian-style dairy-based ice cream
  test Faloodeh
  test Faloodeh
  test Faloodeh: Faloodeh is often served alongside Persian-style dairy-based ice cream
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- test Faloodeh
  test Faloodeh
  test Faloodeh: Faloodeh is often served alongside Persian-style dairy-based ice cream
  test Faloodeh: Faloodeh is often served alongside Persian-style dairy-based ice cream ✔

Question 3

Correct

Mark 1.00 out of 1.00

Flag question

What will be the output of the program?

```
class Tree { }
class Pine extends Tree { }
class Oak extends Tree { }
public class Forest1
{
   public static void main (String [] args)
   {
      Tree tree = new Pine();
      if( tree instanceof Pine )
         System.out.println ("Pine");
      else if( tree instanceof Tree )
         System.out.println ("Tree");
      else if( tree instanceof Oak )
         System.out.println ( "Oak" );
      else
         System.out.println ("Oops ");
   }
}
```

Select one:

- Forest
- Pine ✔
- Oops
- Tree

Question 4

Correct

Mark 1.00 out of 1.00

Flag question

Given:

```
1. class Dog { }
2. class Beagle extends Dog { }
3.
4. class Kennel {
5. public static void main(String [] arfs) {
6. Beagle b1 = new Beagle();
7. Dog dog1 = new Dog();
8. Dog dog2 = b1;
9.  Beagle b3 = (Beagle) dog2;  ✔
10. }
11. }
```

Which, inserted at line 9, will compile?

Question 5

Correct

Mark 1.00 out of 1.00

Flag question

What will be the output of the following program ?

```
class A
{
   public void test()
   {
      System.out.println("Class A");
   }
}
class Trial extends A
{
   public void test()
   {
      System.out.println("Class Trial");
   }
   public static void main(String args[])
   {
      Trial object = (Trial)new A();
      object.test();
   }
```

Select one:

- Runtime Error ✔
- Class A
- Compile Time Error
- Class Trial

Question 6

Correct

Mark 1.00 out of 1.00

Flag question

```
class Calculator
{
Calculator()
{
System.out.println("Basic arithmetic operation ");
}
Calculator (int x)
{
this();
System.out.println(x + " " + "is the only operand supplied");
}
Calculator(int x, int y)
{
this(5);
System.out.println("Two operands supplied are multiplied and the resultant is "+ x * y);
}
public static void main(String args[])
{
new Calculator(8, 10);
}
}
```

Select one:

- Compilation error
- Basic arithmetic operation
  Two operands supplied are multiplied and the resultant is 80
  5 is the only operand supplied
- Basic arithmetic operation
  5 is the only operand supplied
  Two operands supplied are multiplied and the resultant is 80 ✔
- 5 is the only operand supplied
  Two operands supplied are multiplied and the resultant is 80
  Basic arithmetic operation

Question 7

Correct

Mark 1.00 out of 1.00

Flag question

The equals() method takes the reference of Object as parameter. State true or false.

Select one:

- (•) True ✔
- ( ) False

Question 8

Correct

Mark 1.00 out of 1.00

Flag question

final methods ✔ can't be overridden.

Question 9

Correct

Mark 1.00 out of 1.00

Flag question

Which three statements are true?

Select one or more:

- [x] A method with the same signature as a private final method in class X can be implemented in a subclass of X. ✔
- [ ] A final method in class X can be abstract if and only if X is abstract.
- [ ] A protected method in class X can be overridden by a subclass of A only if the subclass is in the same package as X.
- [ ] A private static method can be called only within other static methods in class X.
- [x] A public static method in class X can be called by a subclass of X without explicitly referencing the class X. ✔
- [ ] A non-static public final method in class X can be overridden in any subclass of X.
- [x] A protected method in class X can be overridden by any subclass of X. ✔

Question 10

Correct

Mark 1.00 out of 1.00

Flag question

If you have - final class Test {} how to create a reference for the class “Test” while inheriting it?

Select one:

- ( ) Exception occurs
- ( ) not necessary to create reference, automatically calls by the sub class reference.
- (•) Compilation Error : we can't inherit the class which is “final”. ✔
- ( ) Test t=new Test();