

POSSESSION OF MOBILE IN EXAMINATION IS A UFM PRACTICE

wo HOURS
3
Marks 6
ndry System. You al modules of the nber should hide ethods:
System Class
ny logic.
Marks 6

Question 3) Write the output of the following codes:

Marks 4

```
3.1
                                   3.2
interface A{
                                   class A
int i=5;
                                        System.out.println(1);
public void method();}
                                   class B extends A
class One implements A{
                                   {System.out.println(2);
int i=6:
public void method() {
                                   class C extends B
       System.out.println("Clas
                                   {System.out.println(3);
s One method"); } }
class Two extends One{
                                   public class Abc
int i=7;
       public void method(){
                                       public static void main(String[]
                                   args)
       System.out.println("Clas
s Two method"); } }
                                           C c = new C();
class Test extends Two{
                                       } }
       public static void
main(String[] args) {
               One a = new
Two();
               a.method();
System.out.println(a.i);
                                   class Base{
class A
                                         int value = 0;
                String s =
                                           Base(){
"Class A";
                                               addValue();
class B extends A
                                            void addValue(){
                                               value += 10;
                String s =
"Class B";
                                            int getValue(){
                                               return value;
System.out.println(super.s);
                                   class Derived extends Base{
class C extends B
                                         Derived(){
                                               addValue();
    String s = "Class C";
                                         void addValue(){
                                                value += 20;
System.out.println(super.s);
public class Abc
                                   class abc{
                                         public static void main(String[]
    public static void
                                   args) {
main(String[] args)
                                               Base b = new Derived();
        C c = new C();
                                         System.out.println(b.getValue())
System.out.println(c.s);
                                   ;
                                         } }
```



Question 4) Which of the following statements are true or false

Marks 2

- 4.1 servlet-name tag in the web.xml is used to define the java class file
- 4.2 servlet-class is used to define the servlet name
- 4.3 url-pattern is used to define the web link
- 4.4 Java class of servlet needs to implement "Public static void main(String[] args)"

Question 5) Write a Java program to arrange the elements of a given array of integers where all positive integers appear before all the negative integers.

Marks 3

Input: Original array: [-4, 8, 6, -5, 6, -2, 1, 2, 3, -11]

Output: New array: [8, 6, 6, 1, 2, -4, -5, -2, 3, -11]

Note: Hardcode the values, no need to take user input.

Question 6) Write a java program to declare an integer named day whose value represents a day(1-7). The code should display the name of the day, based on the value of day.

Marks 3

For Example: If the user has entered '1' then program should display 'Monday'.

Question 7) Why multiple inheritance is not possible in java using class? How is it possible using Interface? Explain both scenarios using a java program.

Marks 6