

POSSESSION OF MOBILE IN EXAMINATION IN UFM PRACTICE

Name of Student _____ Enrolment No. _____

Department _____

BENNETT UNIVERSITY, GREATER NOIDA

MID TERM, SPRING SEMESTER 201-19

COURSE CODE: **ECSE102L**

MAX. DURATION: **One hour**

COURSE NAME: **Object Oriented Programming Using Java**

COURSE CREDIT: **6**

MAX. MARKS: **20**

Note:

- All the questions are compulsory.
- Please write precisely and neatly.

Question 1) What is the output of the following code:

1 Mark

```
public class Question1 {
    public static void main(String[] args) {
        String str1 = "Mid Exam";
        String str2 = new String("MID EXAM");
        if (str1.equals(str2)) {
            System.out.println("1:Values are same");
        } else {
            System.out.println("2:values are not same");
        }
        if (str1 == str2) {
            System.out.println("3:Values are same");
        } else {
            System.out.println("4:values are not same");
        }
    }
}
```

1:	2:values are not same 3:Values are same	2:	1:values are same 4:values are not same
3:	1:values are same 3:Values are same	4:	2:values are not same 4:values are not same



Question2) What is the output of the following code:

1Mark

```
public class Question2 {  
    private int age;  
    private String uniName;  
    public int getAge() {  
        return age;  
    }  
    public void setAge(int age) {  
        this.age = age;  
    }  
    public String getUniName() {  
        return uniName;  
    }  
    public void setUniName(String uniName) {  
        this.uniName = uniName;  
    }  
    public static void main(String[] args) {  
        Question2 question2a = new Question2();  
        Question2 question2b = new Question2();  
        System.out.println(question2a.age + " " + question2a.getUniName());  
        question2a.setUniName("Mid Term");  
        question2a.setAge(10);  
        question2b = question2a;  
        System.out.println(question2b.getAge() + " " + question2b.getUniName());  
        question2b = null;  
        System.out.println(question2a.age + " " + question2a.getUniName());  
    }  
}
```

1:	0 null 0 null 0 null	2:	Null pointer exception
3:	0 null 10 Mid Term 10 Mid Term	4:	10 Mid Term 10 Mid Term 10 Mid Term

Question 3) Write a program to take input from a user (University name and E-mail) through console. These values should be used to initialize the variables. If the user does not want to enter any data then he can enter 'NA' for both the fields(In this case variables should be initialized with the default values using the default constructor) otherwise parameterized constructor should be used to initialize the values entered by the user.

5Mark

//Use getters and setters to access the instance variable

//Following are the classes which needs to be created:

//1) User(which contains user information)

//2)TestUser(it should contain the main method)

Note: Number of user is 1

Question 4) What is the output of the following code:

1 Mark

```
public class Question4 {
    public static void main(String[] args) {
        int i = 1, b = 2, c = 1, k = 20, out;
        out = ++i / --b + b++ % (++c*--i*i++) + --k * ++k;
        System.out.println(out);
    }
}
```

1: 383	2: 381
3: 364	4: 380

Question 5) Define the following terms by using examples (Any two):

4 Marks

- a) Static Block
- b) Constructor Overloading
- c) do while loop

Question 6) What will be the output of the following code:

1Mark

```
public class Question6 {
    static int i = 1;
    public static void main(String[] args) {
        int i = 1;
        for (Question6.i = 10; Question6.i > 0; Question6.i--) {
            i = i + 2;
            System.out.print(i + " ");
        }
    }
}
```

Question 7) What will be the output of the following code:

1Mark

```
public class Question7 {
    int a;
    public void setA(int a) {
        a = this.a;
    }
    public int getA() {
        return a;
    }
    public static void main(String[] args) {

        Question7 obj = new Question7();
        obj.setA(10);
        System.out.println(obj.a);
    }
}
```

Question 8) What is class and object in java, explain the concept of class and java using any case study. Also explain the role of stack and heap in the creation of objects.

6 Marks

