The LNM Institute of Information Technology
Second Mid Semester Exam (OOPs (using Java), 2014

Part- A

- Correct the errors (if any) and find the output of the following Java program segments
- Show the workout of each output in the answer script.
- Question 1-4 are of one mark each and question 5-6 are of two marks each.

Q1.
```java
class output {
 public static void main(String args[])
 {
   StringBuffer c = new StringBuffer("OOP AND JAVA");
   c.delete(4,6);
   System.out.println(c);
 }
}
```
Answer: OOP D JAVA

Q2.
```java
class Output {
    public static void main(String args[])
    { char a = (char) 98;
       a = Character.toUpperCase(a);
       System.out.print(a);
    }
}
```
Answer: B

Q3.
```java
class output {
    public static void main(String args[])
    { String s1 = "Hello World";
       String s2 = s1.substring(0 , 6);
       System.out.println(s2);
    }
}
```
Answer: Hello

Q4.
```java
class Output {
    public static void main(String args[])
    { Integer i = new Integer(257);
       byte x = i.byteValue();
       System.out.print(x);
    }
}
```
Answer: 1

Q5.
```java
class Output
{
   public String textMine(String str)
   {
      String str1 = str.substring(0,1);
      String str2 = str.substring(1, s.length() - 1);
      String str3 = str.substring(s.length() - 1);
      if (str.length() <= 3)
          return str3 + str2 + str1;
      else
          return str1 + textMine(str2) + str3;
   }
   public static void main(String args[])
   {
       Output out  = new Output();
      *Sop(out.textMine("INFORMATION"));
   }
}

*Sop:System.out.println
```
Answer: INFOAMRTION

Q6.
```java
import java.io.*;
public class MyProgram {
  public static void main(String args[])
   {
     FileOutputStream out = null;
     try
      {
        out = new  FileOutputStream("test.txt");
        out.write(122);
      }
     catch(IOException io)
      {
        System.out.println("IO Error.");
      }
     finally
      {
        out.close();
      }
   }
}
```
Answer: Nothing will be printed on console but file "test.txt will contains 122

Part- B

Q1.Write Java classes for the following Doubly Linked List Operations: [6]
  • insert at given position
  • delete at given position
  • check for empty list
  • get size of the list

Q2.Write Java code to get user name and password from the user (console) and to perform
   the following operations: [6]
  • To store the user name and password in a file.
  • To validate user name and password.