**SAVEETHA SCHOOL OF ENGINEERING**

**SAVEETHA UNIVERSITY**

**I CIA EXAMINATION - OCTOBER 2017**

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| **Sub Code:** CS 00811 | **Subject Name:**  Java for Automation | |
| **Branch:** CSE | **Year:**  II | **Semester:** IV |
| **Date of Exam:** 26/10/2017 | **Marks:** 50 | **Time:** 90 Mins. |

**ANSWER ALL THE QUESTIONS**

Part I

**Fill in Blanks (6 x 1 =6Marks)**

1. After compiling java program, java compiler generates\_\_\_\_\_\_\_\_\_ file?

2. JRE stands for?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

3. The method Math.sin() is there is which package?\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

4. \_\_\_\_\_\_\_\_\_\_\_\_\_ method is used to get the Integer value as a Input through Scanner class.

5. \_\_\_\_\_\_\_\_\_\_\_\_\_ keyword is used to implement the inheridence.

6. Constructor is used for \_\_\_\_\_\_\_\_\_\_\_\_ .

**7. Match the following 4 x 1 = 4Marks**

1. int 1. Data Structure
2. Hashtable 2. Package
3. util 3. Concodination
4. + 4. Datatype

PART II (5 x 2 =10Marks)

1. Write java program to find the sum of 'N' natural numbers.
2. Write java program to find the sum of the digits.
3. Write java program to find the sum of 'N' distinct Integer.
4. Find the output of the following code

class output

{

public static void main(String arg[])

{

for(int i=0;i<5;i++);

System.out.println(i);

}

}

1. Corrtect the Error of the following code

class output

{

public static void main(String arg[])

{

for(int i=0;i<5;i++);

a[i]=s.nextInt();

}

}

Part III

1. Write a Java Program to reverse the Integer. For example, 123 is converted into 321. (5)
2. Consider an array with the following elements 41, 42, 45, 67, 69, 77, 87, 89, 99, 112. Write a JAVA program to implement binary search to find the given number is present or not. (10)
3. Consider an array with the following elements 70, 65, 2, 36, 35, 55, 0, 89, 67, 33. Write a ‘JAVA’ program to sort in descending order. (5)
4. Write a JAVA program to open, deposit and withdrawn methods in Transaction class. Provide the customer to do the above operation using Hashtable. (10)