

Name:**SAP ID:**

PS: Write the answer in the question paper itself. If space is not sufficient then use backside of paper to answer and mention question number.

Q1) Write a java program or method to count of the occurrences of a given word in a String.

Example: "this is a java program for java Developers", search string: "java" :: output : 2

Ans:

Q2) Will the below program compiles successfully? Justify your answer.

```
Class A{  
    public void getStudent (int studentID) throws SQLException, NullPointerException{.....}  
    public void getMarks{.....}  
}  
class B extends A{  
    public void getStudent (int studentID) throws Exception, NullPointerException {.....}
```

Ans:

Q3) What is the use of below access Specifiers in Java considering classes, packages etc.

Public:**Protected:****Private:****Default:**

Q4) Give a one-liner description of usage of the below annotations in **spring boot framework**.

@Bean:

@Controller:

@EnableAutoConfiguration:

@RequestMapping:

Q5) Tick the correct answer based on the output of the below program.

```
public class Test {  
    public static void main(String[] args) {  
        String s = new String("5");  
        System.out.println(1 + 10 + s + 1 + 10);  
    }  
}
```

Ans:

- ☐ 11511
- ☐ 1105110
- ☐ 115110
- ☐ 27
- ☐ None of the above

Q6) Write a java method to iterate through a HashMap in java to print Key & Value.

Q7) What is the output of the below program ?

```
public static void main(String arg[])  
{  
    try{  
        System.out.println("In Try Block");  
    } catch (Exception e){  
        System.out.println("In Catch Block");  
    } finally  
    { System.out.println("in Finally Block");  
    }  
}
```

Ans:

Q8) What is the garbage collector in Java, how its being called explicitly?

Ans:

sQ9) Write a java method to read the records from the **ResultSet** passed as parameter which is having the below fields from Student table.

Table Columns:

StudentID	NUMBER
StudentName	CHAR(50)
DepartmentName	CHAR (40)
CollegeName	CHAR (50)