

**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 SQLExecption, NullPointerExpection{.....}  
    public void getMarks{.....}}  
class B extends A{  
    public void getStudent (int studentID) throws Exception, NullPointerExpection {.....}}
```

**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)