**Object Oriented programming using JAVA**

**Lab Assessment Test**

**Marks: 40**

Implement anyone of the following program and discuss the output.

Create a class ‘staticDemo’ which contains method ‘member’ that prints the value of a variable ‘a’ which has initialized in static block and print the value of the argument which will be passed to member method. Create a static block which will initialized another variable ‘b’  in terms of ‘a’ (where b is 4 times of a) . Show that when and how static block will be called. Also check whether static block is enough to execute a program without main of your system.

Or

Create a class employee which contains  a method getinfo() that contains the information regarding name, emp\_id and doj . Create an abstract method for getsal() which calculates the salary of emp. Create two classes called manager and salesman. The basic pay of a manager is 65000 on which there will be 99% other allowance. Salesmen will have a basic of 15000 where the other allowance is 85%. Calculate the salary and display the information and show the salary of each.

Or

Write a program to show method overriding for two different classes, one is company an others are amazon and flipkart. Both of them contain the method address which is defined in the company. Address method of both companies should have its own address as well as the name of its CEO. Override the method and invoke it through the main class.