**KLS Gogte Institute of Technology, Belgaum**

**Department of Computer Science & Engg.**

**Academic Year: 2016-17**

**Internal Assessment Test III**

**Subject: OOP with Java Code: 15CS36 Date: 13/11/2016**

**Semester: III (Autonomous) Div: A, B, C & D**

**Max. Marks: 25 Duration: 1 Hr.**

**Instructions: *All questions are compulsory***

***All questions carry equal marks (5 marks each)***

1. Explain briefly what is meant by Dynamic Method dispatch. Write a Java Program to illustrate the same **[L 2] [CLO 3, PO 1]**
2. Write the output of the following Java Program.

class A {

final void meth() {

System.out.println("This is a final method");

}

}

class B extends A{

void meth() {

System.out.println("Illegal");

}

}

public class TestOverride {

public static void main(String[] args) {

B b = new B();

b.meth();

}

} **[L 3] [CLO 3, PO 1]**

1. Write a Java program using exceptions to illustrate Division by Zero run time error **[L 3] [CLO 2, PO 4]**
2. Explain the following keywords briefly
3. try (b) catch (c) finally (d) throw (e) throws. **[L 2] [CLO 3, PO 1]**
4. Explain the usage of super keyword in Java. [**L 2] [CLO 3**, **PO 1**]