

Pune Vidyarthi Griha's
COLLEGE OF ENGINEERING, NASHIK – 4
COMPUTER ENGINEERING DEPARTMENT

Subject : PPL

ASSIGNMENT NO – 05

Unit : V

1. **Define** : this keyword, finalize() , final, super and garbage collegetion.
2. What is **static variables and methods** in Java? Give example of static declaration. What are restriction on methods which are declared static.
3. What is an **Interface** in Java? How is this different than a class? Give example of interface.
4. What do you mean by **method overloading**? Write a program which adds two integers and three integers by using overloaded methods for adding two and three integers respectively.
5. What is **method overriding** in Java? What is advantage of using overriding? Demonstrate method overriding with example.
6. Explain the concept of **dynamic dispatch** while overriding method in inheritance. Give example and advantages of doing so.
7. State two major differences in **class and an interface**. “ Interface gives multiple inheritance facility just as in C++” justify.
8. State the use of the following constructs in Java with example:
 - 1) **Final method** declaration in super class while inheritance
 - 2) **Abstract class** declaration
9. What is **constructor** ? Show with example the use and overloading default, parameterized and copy constructor.
10. What is use of a **package** in Java? How **CLASSPATH** helps to store and retrieve the classes? How is access protection provided for packages?

***** **Best of Luck** *****