

COURSE TITLE : PROGRAMMING IN JAVA LAB
COURSE CODE : 3268
COURSE CATEGORY : B
PERIODS/WEEK : 5
PERIODS/SEMESTER : 75
CREDITS : 3

COURSE SPECIFIC OUTCOMES:

1. To outline Java and Object Oriented Programming
2. To use basic elements of java, data types, arithmetic operators, and mixed expressions
3. To construct objects and illustrate input output operations
4. To apply Control Structures, Relational Operators, Selection statements and switch structures
5. To apply Looping constructs
6. To use predefined methods and user-defined methods
7. To construct and use user-defined classes
8. To use Array and arrays as parameters to methods
9. To illustrate Inheritance, subclasses and super classes and class objects
10. To employ Polymorphism, abstract methods and classes and interfaces
11. To illustrate the creation and usage of packages
12. To apply exception handling and events model
13. To construct Graphical User Interface using AWT and Swing
14. To construct applets

LIST OF EXPERIMENTS:

1. Implement simple programs using OOP concepts(class, object, constructor, member functions).
2. Implement a program having concepts of decision control structures and looping control structures.
3. Implement a program using method overloading.
4. Implement a program using command line arguments in java.
5. Implement program using inheritance
6. Implement programs based on Multiple Inheritance to demonstrate the use of interface.
7. Implement programs based on Exception handling.
8. Implement programs based on packages.

9. Implement programs based on I/O operations using I/O classes.
10. Implement program using AWT and SWING.
11. Implement simple Applet programs.