

GUJARAT TECHNOLOGICAL UNIVERSITY**M. E. - SEMESTER – II • EXAMINATION – SUMMER • 2013****Subject code: 1722310****Date: 07-06-2013****Subject Name: Object Oriented Programming****Time: 10.30 am – 01.00 pm****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Write and explain various controls statements in java. **07**
(b) Explain use of following keywords in java with suitable examples. **07**
1. this 2. final 3. new 4. static
- Q.2** (a) What do you mean by access modifier? List and explain use of each access modifier. **07**
(b) List and explain features of Object Oriented Programming **07**
- OR**
- (b) Write a note on Garbage collection mechanism in java. **07**
- Q.3** (a) Give differences between throw and throws with example. **07**
(b) What is interface in java? Can interface be extended? Explain with suitable example. **07**
- OR**
- Q.3** (a) Can we have more than one catch block for one try block? Justify your answer with suitable example. **07**
(b) What is the difference between PATH and CLASSPATH environment variable? Explain with example. **07**
- Q.4** (a) Explain the concept of Inheritance with suitable example. **07**
(b) What do you mean by Thread priority? How priority of thread can be set? **07**
- OR**
- Q.4** (a) Write a note on Packages in java. **07**
(b) Discuss various ways to create thread in java. **07**
- Q.5** (a) What is AWT? Explain steps to create simple Applet. **07**
(b) Write a java program to illustrate the concept of click event handling of Button. **07**
- OR**
- Q.5** (a) Write a java program which reads user name from command line and prints number of characters in name. **07**
(b) Write and explain few important classes of java.util package. **07**
