Seat No.:	Enrolment No.

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

M. E. - SEMESTER – II • EXAMINATION – SUMMER • 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. (b) Explain use of following keywords in java with suitable examples. 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. (b) List and explain features of Object Oriented Programming OR (b) Write a note on Garbage collection mechanism in java.  Q.3 (a) Give differences between throw and throws with example. (b) What is interface in java? Can interface be extended? Explain with suitable example.  OR  Q.3 (a) Can we have more than one catch block for one try block? Justify your answer with suitable example. (b) What is the difference between PATH and CLASSPATH environment variable? Explain with example. (b) What do you mean by Thread priority? How priority of thread can be set?  OR  Q.4 (a) Explain the concept of Inheritance with suitable example. (b) What do you mean by Thread priority? How priority of thread can be set?  OR  Q.4 (a) Write a note on Packages in java. (b) Discuss various ways to create thread in java.  Q.5 (a) What is AWT? Explain steps to create simple Applet. (b) Write a java program to illustrate the concept of click event handling of Button.  OR  Q.5 (a) Write a java program which reads user name from command line and prints number of characters in name. (b) Write and explain few important classes of java.util package.	Sul	bject	code: 1722310 Date: 07-06-2013	
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