

GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER- V EXAMINATION – SUMMER 2015

Subject Code: 150704**Date: 07/05/2015****Subject Name: Object Oriented Programming With Java****Time: 02.30pm-05.00pm****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) List various features of Java? Also explain any two feature with example. **07**
(b) Compare Object oriented programming with sequential programming. **07**
- Q.2** (a) What is visibility modifier? Explain all with example. **07**
(b) What is package? List various built in package used in java. **07**
- OR**
- (b) What is Thread? Draw and explain life cycle of thread. **07**
- Q.3** (a) Write a program which shows an example of function overloading? **07**
(b) What is error? Explain various types of errors. How can we handle run time errors in java? **07**
- OR**
- Q.3** (a) Write a program which shows an example of function overriding? **07**
(b) Compare String with StringBuffer class. **07**
- Q.4** (a) What is variable? How can we define variable in java? Also list rules for valid variable names. **07**
(b) What is constructor? What are the rules for creating constructor in java? **07**
- OR**
- Q.4** (a) Explain inheritance with its types and example. **07**
(b) How interface are useful in java? Explain with example. **07**
- Q.5** (a) What are final class, final function and final variable in java? Explain with example. **07**
(b) Explain following key words: this, super, instance of **07**
- OR**
- Q.5** (a) Compare Java Applets with application programs. **07**
(b) How can we open and read a text file in java? Explain your answer with example. **07**
