

GUJARAT TECHNOLOGICAL UNIVERSITY**MCA - SEMESTER- III • EXAMINATION – WINTER 2020****Subject Code:4639302****Date:11/01/2021****Subject Name: Object Oriented Programming in JAVA****Time: 10:30 AM to 12:30 PM****Total Marks: 56****Instructions:**

1. Attempt any **FOUR** questions out of **EIGHT** questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Define Terms : **07**
i) JAVA ii) JRE iii) JVM iv) Mutator
v) Polymorphism vi) Interface vii) Autoboxing
- (b) Explain Big number in java. **04**
Write steps to install JDK. **03**
- Q.2** (a) List out all the java buzzwords and explain any six. **07**
- (b) What is Lamda? Explain important characteristics of a lambda expression. **07**
- Q.3** (a) What is constructor? Explain Type of constructor. **07**
- (b) Explain how to package java classed and how to import it **07**
- Q.4** (a) Explain Wrapper class with example. **07**
- (b) What is Inheritance explain type of inheritance in detail. **07**
- Q.5** (a) What is Custom Exception explain with example. **07**
- (b) What is Generic Programming? Explain Advantage of Generic Programming in java. **07**
- Q.6** (a) What is Inner class? Explain type of inner class. **07**
- (b) Explain keywords: try, catch, finally, throw, throws **07**
- Q.7** (a) Explain enum data type with example. **07**
- (b) Write a code to list files and directory of current directory. **07**
- Q.8** (a) Write code to write string in to file using FileOutputStream. **07**
- (b) Explain JDBC With Example. **07**
