

Enrolment No. /Seat No.: _____

GUJARAT TECHNOLOGICAL UNIVERSITY

MCA INTEGRATED – SEMESTER III- EXAMINATION –WINTER-2024

Subject Code:2638601

Date: 04/12/2024

Subject Name: Object Oriented Programming in JAVA

Time:10:30 AM TO 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.
4. Use of simple calculators and non-programmable scientific calculators are permitted.

- Q.1** (a) Explain Java Buzzwords. **07**
(b) What is constructor? Explain it with appropriate example. **07**
- Q.2** (a) Explain method overloading with appropriate example. **07**
(b) What is Autoboxing and Unboxing? Explain it with appropriate example. **07**
- OR**
- (b) What is an exception? Explain try, catch and finally block with suitable example. **07**
- Q.3** (a) Explain switch statement with appropriate example. **07**
(b) What is interface? Explain multiple inheritance with suitable example. **07**
- OR**
- Q.3** (a) Explain Byte Stream classes in java.io **07**
(b) What is string? Explain String class methods. **07**
- Q.4** (a) Explain commonly used Input methods defined by DataInputStream. **07**
(b) What is collection framework? Explain methods of collection interface. **07**
- OR**
- Q.4** (a) What is package? Explain package with appropriate example. **07**
(b) What is thread? Explain thread priorities with appropriate example. **07**
- Q.5** (a) Explain method overriding with appropriate example. **07**
(b) Explain collection classes. **07**
- OR**
- Q.5** (a) Explain static variable, static method and static block with suitable example. **07**
(b) Explain Java's primitive data types. **07**
