Seat No.:	Enrolment No

GUJARAT TECHNOLOGICAL UNIVERSITY

		ME – SEMESTER II (OLD) – • EXAMINATION – SUMMER 2016	
Subject Code: 1722310 Date:18/0:		Code: 1722310 Date:18/05/20	16
Sul	ject	Name: Object Oriented Programming	
Tin	ne:10	2:30 am to 01:00 pm Total Marks:	70
Inst	ruction		
		Attempt all questions.	
	2. 3.	Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a)	Explain use of following keywords in java with suitable examples. 1. static 2. this 3. final 4. new	07
	(b)	What is inheritance? Give difference between Abstract class and Final class.	07
Q.2	(a) (b)	List and explain various access modifiers in java. Define the word package? List advantages of package. Also write example. OR	07 07
	(b)	Compare and contrast overloading and overriding methods.	07
Q.3	(a) (b)	Explain the different methods in java. Util. Arrays class with example. Explain dynamic binding with example.	07 07
Q.3	(a)	OR Write a program in java for matrix multiplication (Test the validity of matrix sizes before performing multiplication).	07
	(b)	Explain abstract class with suitable example program.	07
Q.4	(a)	What is the difference between PATH and CLASSPATH environment variable? Explain with example.	07
	(b)	What do you mean by Thread priority? How priority of thread can be set? OR	07
Q.4	(a) (b)	Explain various ways to create thread in java with suitable example. What is the use of Layout manager in java? Explain various layout managers in java.	07 07
Q.5	(a) (b)	What is an Adapter class? Explain its purpose and functionality. Explain different event types in java. Also explain event handling in java. OR	07 07
Q.5	(a)	Explain the following exceptions with example. (i) ArithmeticException	07
	(b)	(ii) NumberFormatException Write a java program which takes file name from command line argument and shows content of file on screen.	07
