Seat No.: _____

Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

GUJARAT TECHNOLOGICAL UNIVERSITY ME – SEMESTER II (OLD) – • EXAMINATION – SUMMER 2016				
Subject Code: 1720105 Date:19/0			Date:19/05	5/2016
Subject Name: Object Oriented Methodology & DesignTime:10:30 am to 01:00 pmTotal MarInstructions:Total Mar				·ks: 70
insti u	1. 2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.		
Q.1	(a)	What is object oriented development? How is it different conventional methodology? Discuss drawbacks and bene OOM.		07
	(b)		·•	07
Q.2	(a)	Write a programme in java to compare two objects of clases explain with diagram.	class and 07	
	(b)	· ·		07
	(b)	_	; by	07
Q.3	(a)	What is model? Why do we need it? What are different m OOM? Expalin their relationship by diagrams only.		
	(b)	Java and java.util.* package	sses in	07
Q.3	(a)	OR That is use of package? How is it useful as namespace? Explain olymorphism in context of package.		07
	(b)	Define the term "Design Pattern". Explain Iterator design with suitable example. Where is it used?	apattern	07
Q.4	(a)	What are singleton and adapter patterns's usages? Expain with their application and programme.	n them	07
	(b)	Short note: Reflection for RTTI. 0'		07
Q.4	(a)	 A GSRTC website supports following functionalities: 1. Ticket Reservation 2. Changing the properties of seat and journey for tic 3. Checking time and route for bus. 4. Login to take print for confirm ticket. 5. Checkinh seat availability in bus. Come up with system usecases for above functionalities. 		07
	(h)	Explain diference between Clonable and Runnable Interfa	ace with	07

(b) Explain difference between Clonable and Runnable Interface with 07 example.

1

Q.5 Any FOUR

- 1. Discuss the MVC based Architecture and its associated MVC design pattern and Develop sample fragment for Drawing Example using Standard design pattern
- 2. Short Note: Aggregation vs. Association
- 3. Explain Client Server Architecture by example.
- 4. What is marshaling and demarshaling in RMI? Explain steps to set up remote object system
- 5. Write a simple drawing program having basic functionalities.
