www.FirstRanker.com

GUJARAT TECHNOLOGICAL UNIVERSITY

	BE - SEMESTER-	V(OLD)	EXAMINATION -	SUMMER	2019
--	----------------	--------	---------------	--------------------------	------

Subject Code: 150704	Date:	20/06/2019

Subj	ect Name	: Object	Oriented	Programming	With.	Java
------	----------	----------	----------	-------------	-------	------

Time: 02:30 PM TO 05:00 PM	Total Marks: 70
1 IIIIC. 02.30 1 M1 1 O 03.00 1 M1	i utai wiai ks. //

Instructions:

- 1. Attempt all questions.
- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.

			MARKS
Q.1	(a)	Define polymorphism with its need. Define and explain static and dynamic binding using program.	07
	(b)	What is an Inheritance? Explain its types with proper diagram and suitable example(s).	07
Q.2	(a)	Explain following keywords: this, super, final and static	07
	(b)	Write a program which checks whether entered number is prime or not? OR	07
	(b)	Write a program to check that whether the name given from command line is file or not? If it is a file then print the size of file and if it is	07
		directory then it should display the name of all files in it.	
Q.3	(a)	What is an Access Specifier? Explain it's with suitable example with appropriate output in detail.	07
	(b)		07
		suitable example. Also use command line argument for passing a	
		filename.	
Q.3	(a)	OR Differentiate Abstract class and Interface with suitable example.	07
Ų.5	(b)		07
	. ,	with suitable example.	
Q.4	(a)	Differentiate String with StringBuffer class. List out the methods	07
		available with String class and explain any five with proper JAVA code	
	(b)	in detail. What is an Exception? List out various built-in exceptions in JAVA and	07
	(6)	explain any one Exception class with suitable example.	0,
		OR	
Q.4	(a)	What is Multithreading? Explain Thread life cycle with proper JAVA code.	07
	(b)	What is Variable? How can we define variable in JAVA? Also list rules	07
		for valid variable names.	
Q.5	(a)	Differentiate Applet Vs. Swing. Explain the life cycle of applet with suitable example.	07
	(b)		07
		synchronization with proper output.	
		OR	
Q.5	(a)	What do you mean by Event Delegation Model in JAVA? How the concept of adapter classes is used in event handling? Explain it with	07
		suitable example.	
	(b)	Write down a code for passing an Echo message by using TCP in	07
	. ,	Network Programming.	
