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		GUJARAT TECHNOLOGICAL UNIVERSITY /	
		BE - SEMESTER-IV(NEW) EXAMINATION – WINTER 2022	
Subj	ect	Code:3140705 Date:20-12	
Subject Name:Object Oriented Programming -I			
Time:10:30 AM TO 01:00 PM Total Marks:70			
Instructions:			
		Attempt all questions.	
		Make suitable assumptions wherever necessary.	
		Figures to the right indicate full marks.	
	4.	Simple and non-programmable scientific calculators are allowed.	MARKS
0.1	(-)	Discuss significance of buts as de	
Q.1	(a) (b)		03 04
	(D) (C)		04
	(C)	List OOF characteristics and describe inferitance with examples.	07
Q.2	(a)	Explain constructor with the help of an example.	03
	(b)		04
		any two with proper example.	
	(c)	1	07
		OR	
	(c)		07
		occurrence of a character in a string.	
Q.3	(a)	What is the final class? Why they are used?	03
L	(b)		04
	(c)	Explain Overloading and Overriding with example.	07
		OR	
Q.3	(a)		03
	(b)		04
	(c)	explain any one with example. Explain the words super, static, final and this with the help of an	07
	(C)	example.	07
Q.4	(a)	List out various layout panes in JavaFX.	03
	(b)	1	04
	(c)		07
		an example. OR	
Q.4	(a)		03
V. 4	(a) (b)	1 V	03
	(c)		07
	(-)	manipulate the student information from files by using FileInputStream	
		and FileOutputStream.	
0.5	(-)	What is Java Collection?	0.2
Q.5	(a)		03
	(\mathbf{b})	1	04 07
	(c)	Explain Set and Map in Java with example. OR	07
Q.5	(a)		03
£	(b)		04
	(c)	Explain synchronization in Thread with suitable example.	07
