Seat No.:	Enrolment No
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GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-V (OLD) - EXAMINATION - SUMMER 2017

Subject Name: Object Oriented Programming With Java Time: 02:30 PM to 05:00 PM Instructions: 1. Attempt all questions. 2. Make suitable assumptions wherever necessary.	Total Marks: 70
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3. Figures to the right indicate full marks.	
Q.1 (a) What is Thread? Draw and explain life cycle of thread. (b) Explain Runtime Polymorphism with example	07 07
 Q.2 (a) Explain inheritance with its types and example. (b) Write a java program to print prime number upto 100. OR 	07 07
(b) Write a java program which check whether entered number not?	is prime or 07
 Q.3 (a) What is package? List various built in package used in java. (b) Read employee salary and calculate the income tax based on 10 income and store it in tax.txt file for five different employees. 	07 0% of 07
Q.3 (a) What is collection in Java? Differentiate between Vector and A (b) Name three types of layout managers and briefly explain their	•
Q.4 (a) Discuss public, private, protected and default access modifier we example.	vith 07
(b) Explain following key words: this, super, instance of, static. OR	07
Q.4 (a) Write a java program which read numbers from number.txt f even number to even.txt and odd number into odd.txt file.	
(b) What is an Exception? Explain Exception handling in JAVA.	07
Q.5 (a) Write a java network example to print server date and tir machine.	me on client 07
(b) Differentiate Abstract class and interface with suitable example OR	e. 07
Q.5 (a) Write an application that read limit from user and executes two One thread displays total of first n even numbers & another the displays total of first n odd numbers. Create the threads by important the Runnable interface.	read
(b) Write a program to check that whether the name given from co is file or not? If it is a file then print the size of file and if it is di it should display the name of all files in it.	
