Enrolment No.\_\_\_\_\_

## **GUJARAT TECHNOLOGICAL UNIVERSITY** BE - SEMESTER-VII • EXAMINATION – WINTER • 2014

Subject Code: 170703Date: 04-12-201Subject Name: Advance Java Technology			
	me: 1 tructio 1. 2. 3.	Attempt all questions. Make suitable assumptions wherever necessary.	
Q.1	(a) (b)	What is window pane in swing? List out different window pane and give the purpose of them. Give the use of Statement, PreparedStatement and CallableStatement object and	07 07
		Write code to insert three records into student table using PreparedStatement (assume student table with Name, RollNo, and Branch field).	
Q.2	(a) (b)	Explain Object Serialization and how it can be done in java. Write an UDP client and server program to do the following: Client send any string and server respond with its capital string. <b>OR</b>	07 07
	<b>(b</b> )	Write a client server program using TCP where client sends two numbers and server responds with sum of them.	07
Q.3	(a) (b)	What is java EE? List and explain feature of them. Write a code to create simple calculator using swing component. <b>OR</b>	07 07
Q.3	(a) (b)	Explain internationalization and its use in java with example. List out different types of JDBC driver and explain each.	07 07
Q.4	(a) (b)	List out different types of servlet event and explain it. What is session object in JSP? Explain it with example. <b>OR</b>	07 07
Q.4	(a) (b)	Explain JSP tag library with example. Explain Life cycle of JSP.	07 07
Q.5	(a)	What are the differences between Java Bean and basic java class? Explain Java Bean Architecture.	07
	<b>(b)</b>	Write JSTL program to parse and display text of XML file. OR	07
Q.5	(a)	Write a servlet which accept two numbers using POST methods and display the maximum of them.	07
	<b>(b</b> )	Draw and explain the architecture of Hibernate.	07

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