GUJARAT TECHNOLOGICAL UNIVERSITY
BE- SEMESTER–VII • EXAMINATION – SUMMER 2018

Subject Code: 170703   **Date: 03-05-2018**
Subject Name: Advance Java Technology
Time: 02:30 pm to 05:00 pm   **Total Marks: 70**
Instructions:
1. **Attempt all questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**

Q.1	**(a)**	What is a Window pane in Swing? Explain the purpose of various kinds of Window panes. Write the syntax to add a button to the content pane.	**07**
	(b)	What are the properties of a transaction? Show the use of PreparedStatement object to run precompiled SQL statement with appropriate example.	**07**
Q.2	**(a)**	Show the two-way communication between server and client with an example.	**07**
	(b)	Explain the RMI layered architecture.	**07**

OR

	(b)	What is JNDI? Explain its functioning and advantages.	**07**
Q.3	**(a)**	Write a RMI application to add two integer numbers.	**07**
	(b)	List various HTTP requests methods and explain any three of them.	**07**

OR

Q.3	**(a)**	Write a RMI application to count the length of a string.	**07**
	(b)	What is a web application? Describe various components of a web application.	**07**
Q.4	**(a)**	Explain the servlet life cycle.	**07**
	(b)	i) What is a filter? What does it do? ii) Explain the Hibernate cache architecture.	**07**

OR

Q.4	**(a)**	What are various ways of session tracking? Explain any two of them.	**07**
	(b)	i) What is web.xml file? What is its importance? ii) How does HQL differ from SQL? Write down its benefits.	**07**
Q.5	**(a)**	What are various action tags in JSP. Explain any five of them with syntax.	**07**
	(b)	Describe the features of Core Tag library.	**07**

OR

Q.5	**(a)**	What is session object in JSP? Explain its use with proper example.	**07**
	(b)	What is custom tag? Give the elements of custom tags and describe their features?	**07**

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