Seat No.: _____   Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER–VII (OLD) EXAMINATION – SUMMER 2019

Subject Code: 170703   **Date: 16/05/2019**

Subject Name:Advance Java Technology

Time: 02:30 PM TO 05:00 PM   **Total Marks: 70**

Instructions:
      Attempt all questions.
      Make suitable assumptions wherever necessary.
      Figures to the right indicate full marks.

Q.1	**(a)**	Explain Hibernate Architecture.	**07**
	(b)	Explain serialization of objects. Why do you need it? Explain SQL tag library	**07**
Q.2	**(a)**	List and explain different features of Swing and AWT components.	**07**
	(b)	Draw and explain J2EE architecture.	**07**

OR

	(b)	Draw and explain RMI architecture.	**07**
Q.3	**(a)**	Explain the action tags used to access the JavaBeans from a JSP page with example	**07**
	(b)	Explain transaction handling using JSTL	**07**

OR

Q.3	**(a)**	What is the use of filter in Servlet? Explain with suitable example.	**07**
	(b)	Explain various JDBC Drivers.	**07**
Q.4	**(a)**	Draw and explain life cycle of Servlet.	**07**
	(b)	Explain Request and Response Object in Servlet.	**07**

OR

Q.4	**(a)**	Explain MVC Architecture.	**07**
	(b)	What is HQL? How does it differ from SQL? Give its advantages.	**07**
Q.5	**(a)**	What is datagram socket explain with example.	**07**
	(b)	What is server Socket ? How it work in java ? Explain it with example.	**07**

OR

Q.5	**(a)**	Explain the use of CallableStatement and PreparedStatement with example.	**07**
	(b)	Give the characteristics of the HTTP protocol and explain the GET, HEAD and PUT methods of the HTTP protocol.	**07**