GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER–VII (Old) EXAMINATION – WINTER 2019

Subject Code: 170703   **Date: 28/11/2019**

Subject Name: Advance Java Technology

Time: 10:30 AM TO 01:00 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)**	Explain J2EE architecture with functionality of all components.	**07**
	(b)	Discuss JDBC and its driver types? Which driver type is best and why?	**07**
Q.2	**(a)**	Explain Servlet and HTTP Servlet with example.	**07**
	(b)	Write a Java Servlet to print stock price when user enter stock code and submit.	**07**
		OR	
	(b)	Write a JSP code which take item code as input and generate output as item name and description.	**07**
Q.3	**(a)**	Demonstrate Socket and ServerSocket with client server echo communication example.	**07**
	(b)	Explain different JSP directive with their attribute by example and description.	**07**
		OR	
Q.3	**(a)**	Explain MVC Architecture in Details with neat diagram.	**07**
	(b)	Discuss the Expression Language feature of JSP and mention various implicit objects available in the EL with description.	**07**
Q.4	**(a)**	Discuss JSP Object scope: (i) Page (ii) Request (iii) Session (iv) Application with example.	**07**
	(b)	Write short note servlet filter and filter chain. Mention one example with configuration file.	**07**
		OR	
Q.4	**(a)**	What is Session? Why it is used? What are different methods used to implement session? Explain with one example.	**07**
	(b)	What is JSTL? Discuss various tags in JSTL with example.	**07**
Q.5	**(a)**	Write a Java Client and Server Program to get IP address of host name/domain.	**07**
	(b)	Write short note on Hibernate.	**07**
		OR	
Q.5	**(a)**	List and explain various swing layouts and components with examples.	**07**
	(b)	Explain various tags in JSTL with example : (i) Core (ii)XML	**07**

****