GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER–VII • EXAMINATION – WINTER 2013

Subject Code: 170703   **Date: 07-12-2013**

Subject Name: Advance Java Technology

Time: 10:30 TO 01:00   **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 pluggable look and feel? What is its importance? Assume that an application contains a textfield and a button. Show that how to apply plaf of your choice to them.	**07**
	(b)	Explain following in brief: (1) MVC and (2) JDBC Architecture	**07**
Q.2	**(a)**	What is container in Java EE 6? Give its architecture and discuss its role in hosting the applications.	**07**
	(b)	What is CallableStatement? Show that how to use it to call a stored procedure running at database layer.	**07**

OR

	(b)	Write a complete RMI application with interface, server object and client to compute the area of a circle where client provides the radius.	**07**
Q.3	**(a)**	Discuss the URL and URLConnection class with their use in network programming.	**07**
	(b)	What are cookies and sessions? How can you use them in Java EE? Compare them.	**07**

OR

Q.3	**(a)**	Write a web application using servlet to compute an area of a circle. Get the radius from the client. Write necessary web.xml file.	**07**
	(b)	What is servlet filters? Give the necessary API for filters and explain their use.	**07**
Q.4	**(a)**	Describe following with proper illustrations: (1) Type-4 JDBC driver (2) Servlet events	**07**
	(b)	Explain the JSP core tag library.	**07**

OR

Q.4	**(a)**	Show the use of JSP inbuilt objects: request and response, with their use in application.	**07**
	(b)	Explain the JSP XML tag library.	**07**
Q.5	**(a)**	What is servlet configuration? Show it with example web.xml file.	**07**
	(b)	Give and explain the architecture of Hibernate.	**07**

OR

Q.5	**(a)**	Show the use of JSP page directive tag with its attributes.	**07**
	(b)	How can you implement OR Mapping in Hibernate? Give an example.	**07**

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