GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER–VI (NEW) EXAMINATION – SUMMER 2024

Subject Code:2160707   **Date:17-05-2024**

Subject Name:Advanced Java

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.
4. Simple and non-programmable scientific calculators are allowed.

			MARKS
Q.1	**(a)**	Describe the use and purpose of InetAddress class.	**03**
	(b)	Explain the use of URL class, URLConnection class, DatagramPacket class and DatagramSocket class.	**04**
	(c)	Explain different types of JDBC drives.	**07**
Q.2	**(a)**	Differentiate Statement and PreparedStatements in JDBC.	**03**
	(b)	Explain ServletConfig and ServletContext objects.	**04**
	(c)	Explain Life cycle of Servlet in detail with example.	**07**
		OR	
	(c)	Explain session creation and tracking in servlets.	**07**
Q.3	**(a)**	What are needs of Filter? How to configure Filter using Deployment Descriptor?	**03**
	(b)	Explain Request Dispatcher interface in servlets with an example.	**04**
	(c)	Explain standard components of JSF in detail.	**07**
		OR	
Q.3	**(a)**	Explain URL Rewriting in servlets.	**03**
	(b)	Explain cookies and session handling in JSP.	**04**
	(c)	Explain various phases of JSF life cycle.	**07**
Q.4	**(a)**	List the various Implicit objects in JSP. Explain any two in brief.	**03**
	(b)	Differentiate Servlets and JSP.	**04**
	(c)	Explain life cycle of JSP in detail.	**07**
		OR	
Q.4	**(a)**	List the advantages of JSP over Servlets.	**03**
	(b)	Explain Scripting Tags in JSP.	**04**
	(c)	Explain JSP Standard Tag Libraries (JSTL) in detail.	**07**
Q.5	**(a)**	List the needs of hibernate framework.	**03**
	(b)	Discuss the use of Hibernate Query language.	**04**
	(c)	Explain architecture of Spring in detail.	**07**
		OR	
Q.5	**(a)**	Explain Aspect Oriented Programing in Spring.	**03**
	(b)	Explain advantages and disadvantages of Spring Framework.	**04**
	(c)	Explain Hibernate O/R Mapping.	**07**

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