Seat No.: _____ Enrolment No.____

GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-VI (NEW) EXAMINATION – SUMMER 2023 Subject Code:3160707 Date:14-07-2023			
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,	Time	ect Name:Advanced Java Programming e:10:30 AM TO 01:00 PM Total Marks:70 ctions:	
	ilisti u	 Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. Simple and non-programmable scientific calculators are allowed. 	
Q.1	(b)	Demonstrate the use of ResultSetMetadata. Implement the client server program using UDP Sockets. Client will request to download the file from server and server will send it to client. What do you man by assign tracking? Discuss different assign tracking.	03 04
Q.2	(c) (a) (b) (c)	What do you mean by session tracking? Discuss different session tracking Compare ServerSocket with Socket. Differentiate ServletConfig and ServletContext. Demonstrate the use of ServletRequestDispacher and its methods include and forward.	07 03 04 07
	(c)	OR Demonstrate the use of JSP action tags include and forward.	07
Q.3	(a) (b) (c)	Write a code snippet to show the use of PreparedStatement. What is filter? How will you configure filter using deployment descriptor? Develop a web application as following to demonstrate the use of <jsp:usebean>. 1) Create a Java Bean named Student with attributes name and age. 2) Create a web page to set the properties of Student using <jsp:usebean>. 3) Create a web page to display the properties of Student using <jsp:usebean>. OR</jsp:usebean></jsp:usebean></jsp:usebean>	03 04 07
Q.3	(a) (b) (c)	 What is FilterConfig? How will you use it? Write a code snippet to explain the use of CallableStatement. Develop a web application as following using JSP. 1) Create a web page (HTML) to submit the registration detail (Name, email and contact number) of user to jsp page. 2) Create a jsp page to enter the registration detail in the table of database. 3) Create a jsp page to display the list of all registered users. 	03 04 07
Q.4	(a) (b) (c)	What is EL? Write a code snippet to show the use of method expressions in JSP page. Create a custom tag to print current date and time in JSP page. Discuss JSF request processing life cycle.	03 04 07
Q.4	(a) (b) (c)	Write a code snippet to show the use of JSF action event. Create a JSF custom convertor and use it in JSP page. Discuss the tags of JSTL SQL tag library.	03 04 07

Explain the role of IoC container in Spring.

What is Hibernate? What are the features of it?

Discuss Spring framework architecture in detail.

Explain OR mapping using hibernate mapping file.

Discuss Hibernate architecture in detail.

Explain AOP concepts of Spring.

Q.5

Q.5

(a)

(b)

(c)

(a)

(b)

(c)

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