

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VI (NEW) - EXAMINATION – SUMMER 2018

Subject Code:2160707

Date:01/05/2018

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.

		MARKS
Q.1	(a) What is hibernate? What is main advantage of using hibernate than using SQL?	03
	(b) What is JSF tag library? Explain any four html tag.	04
	(c) List the different types of JDBC drivers. Compare the various driver types for their advantages and disadvantages.	07
Q.2	(a) Compare the include and forward action tags in JSP.	03
	(b) Explain the configuration of filter using deployment descriptor.	04
	(c) Write Servlet program to create cookie. Also write code to display contents of cookie on page.	07
	OR	
	(c) Answer following.	07
	1. Difference between Socket and Server Socket	
	2. What is Object serialization? What is need of it?	
Q.3	(a) What is dependency injection?	03
	(b) What is session object in JSP? Show its use with proper example	04
	(c) Explain the action tags used to access the JavaBeans from a JSP page with example.	07
	OR	
Q.3	(a) Write a servlet that redirect requests alternatively to JSP Pages named Odd and Even	03
	(b) What is Request Dispatcher? What is the difference between Request dispatcher's forward() and include() method?	04
	(c) Write JSP Page to demonstrate shopping cart using session feature of JSP	07
Q.4	(a) Explain use of action tag with example.	03
	(b) What is web.xml? Explain it with code.	04
	(c) Write a client server program using TCP where client sends a string and server checks whether that string is palindrome or not and responds with appropriate message.	07
	OR	
Q.4	(a) Explain architecture of Spring MVC Framework.	03
	(b) What are the different methods to call java code from JSP page . ? Explain them.	04
	(c) Write a Java Servlet to print BE Semester 7 Marksheet of entered enrollment number by user using JDBC.	07
Q.5	(a) Explain various Session tracking mechanisms in servlet with example	03
	(b) Explain JSF life cycle phases.	04
	(c) Design a form to input details of an employee and submit the data to a servlet. Write code for servlet that will save the entered details as a new record in database table Employee with fields (EmpId, EName, Email, Age).	07

OR

- Q.5**
- (a)** Explain use of DatabaseMetaData with example **03**
 - (b)** Explain use of ServletConfig and ServletContext object with example. **04**
 - (c)** Write a java bean named “student” having roll no and name having getter & setter methods. Write a JSP page to set the roll number and name for a student object and then print them by reading from object. **07**
