Paper Cade: BCADSE 5.8	Paper title: Advanced Java Lab	Teaching Hours – 4hrs/week
	Marks: Th-80+IA-20	Credits: 2

Assignment Programs:

Section A:

1. Write a java program to implement mouse events like mouse pressed, mouse released and mouse moved by means of adapter classes.
2. Write a java program to implement keyboard events.
3. Write a program that creates a user interface to perform integer divisions. The user enters two numbers in the Textfields, Num1 and Num2. The division of Num1 and Num2 is displayed in the Result field when the Divide button is clicked. If Num1 or Num2 were not an integer, the program would throw a NumberFormatException. If Num2 were Zero, the program would throw an Arithmetic Exception Display the exception in a message dialogbox.
4. Write a Java program to illustrate basic calculator using grid layout manager.
5. Design a ice-cream menu form that displays 4 flavors. Display the flavors selected by the user.
6. Write a Java program that loads names and phone numbers from a database file. It takes a name or phone number as input and prints the corresponding other value.
7. Write a java program that connects to a database using JDBC. Demonstrate insertion and modification of table data.

Section B:

1. Write a servlet program: Ask the user for a color in a JSP in say "Home.jsp" file.
2. Display "Hello World" in the chosen color using a servlet, say in "helloWorld.java". (Hint: use tomcat server).
3. Write a Java servlet program to implement a dynamic HTML using servlet.
4. (username and password should be accepted using HTML and displayed using servlet).
5. Write a Java program to establish client server communication using TCP/IP socket.
6. Write a Java Program to find the IP address of a given website specified by the user.
7. Write a Java Servlet program to create a cookie and read its contents.
8. Write a Java Servlet program to create a Session and display its attributes

Practice Programs:
1. Write a program to create a session bean (both stateful and stateless) using any IDE
2. Write a java program to demonstrate preparedstatement operations
3. Write a servlet program to demonstrate page redirection
4. Demonstrate usage of get() and post() methods using servlets