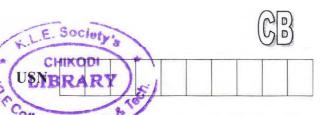
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15CS553

ifth Semester B.E. Degree Examination, June/July 2019 **Advanced Java and J2EE**

Time: 3 hrs. Max. Marks: 80

> Note: Answer any FIVE full questions, choosing ONE full question from each module.

		ONE full question from each module.		
		Module-1		
?r, 	1	b. What is Autoboxing? Write a Java program that demonstrates autoboxing/unboxing inside expressions. (06	Marks)	
II		OR		
0¢ +	2	a. Explain the various type wrappers used in Java.b. What is Annotation? Explain various retention policies for annotations in Java. (05)	Marks) Marks) Marks)	
v ;CI		Module-2		
ri	3		8 Marks) 8 Marks)	
ti) . E		OR		
-0;j -0;r -0;r -0; 0; =70;	4	a. Explain the following Map classes: i) HashMap ii) TreeMap.b. Define legacy class-vector. Write a Java program to demonstrate various vector operations.	B Marks) ations. B Marks)	
с.,		Module-3		
. 6	5	a. Explain the following string comparison methods with examples: i) equals() ii) regionMatches() iii) startsWith iv) endsWith(). (08)	3 Marks)	
0 —			8 Marks)	
		OR		

a. Explain the following methods of StringBuffer class with examples :

i) capacity() ii) reverse() iii) deleteCharAt() iv) charAt().

(08 Marks)

h. How compareTo() method differs from compareTolgnoreCase() method? Write a Java program to sort an array of string in descending order by ignoring the case. (08 Marks)

Module-4

a. Explain the life cycle of servlets.

(04 Marks)

How to handle HTTP GET requests and HTTP Post requests? Explain with examples.

(08 Marks)

Write a servlet program that demonstrates how to use session state.

(04 Marks)



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OR

8	a. What is JSP? Explain the various types of JSP tags with examples.	(10 Marks)
	b. What is a cookie? Write a JSP program to create and read a cookie.	(06 Marks)

Module-5

9	a. List and explain the different types of JDBC drives types.	(06 Marks)
	b. Write a Java program to execute a database transaction.	(06 Marks)
	c, List and explain the three kinds of exceptions occurred in JDBC.	(04 Marks)

OR

a. Explain the various steps of JDBC with code snippets.b. Explain the following statement objects with examples

i) PreparedStatement object

ii) CallableStaternent object.

(08 Marks)

