## PPRS Salama

	1	App aguaire	(1)
USN	4		15CS553
USIN	<		4
Fifth Semester B.E. Degree Examination, Dec.2017/Jan.2018			
		Advanced Java and J2EE	7
		700 W	
Tim	2	Max	Marks: 80
Note: Answer any FIVE full questions, choosing one full question from each module.			
		Module-1	1.
1	a.	What are Enumerations? Explain values ( ) and value of methods with	(04 Marks)
	1.	what is Autoboxing? Write a Java program that demonstrates autoboxing or un	
	b.		(04 Marks)
	c.	What are Annotations? Explain the following Built in annotations with p	orogram as an
		example @Override @inherited @Retention.	(08 Marks)
		OR	
2	a.	Explain the following methods of java.lang.Enum with an example program.	
		i) ordinal()	
		ii) compareTo iii) equals ()	(08 Marks)
	b.	Explain how to obtain Annotations at Run Pime by use of Reflection.	(08 Marks)
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		Module 2	
3	a.	What is a collection Framework? And explain the methods defined by collection interface.  (08 Mark	
	L	Explain the methods defined by List Iterator interface.	(08 Marks)
	b.	Explain the methods defined gy sist retailer methods.	,
		OR	
4	a.	Explain the constructors of TreeSet class and write a java program to c	create TreeSet
		collection and access it via an Iterator.	(08 Marks)
	b.	Explain any four legacy classes of Java's collection Framework.	(08 Marks)
		Modulo 3	
5	2	What is string in Java? Write a Java program that demonstrates any four c	onstructors of
3	a.	string class.	(08 Marks)
	b.	Differentiate between equals () and = = with respect to string comparison.	(04 Marks)
	c.	Explain the following character Extraction methods.	><
	į	i) Chart A + ()	
		ii) tochar Array ()	(04 Marks)
			- ()

OR

- Explain how to modify a string by using following methods.

  i) substring ()

  ii) concat ()

  - iii) replaceiv) trim ( )

(08 Marks)

**CS553** Explain the following methods of stringBuffer class. i) append () ii) insert () iii) reverse () (08 Marks) iv) replace. Module-4 (04 Marks) Explain the Life cycle of Servlets. 7 List and explain core classes and interfaces in javax.servlet pakage. (08 Marks) (04 Marks) Write short note on HTTP request and response. What is a Cookie? List out methods defined by Cookie? Write a java program to add a 8 a. (08 Marks) Cookie. Define JSP. Explain different types of JSP tags by taking suitable example. (08 Marks) Module-5 Explain the four types of JDBC drivers (06 Marks) 9 (10 Marks) Describe the various steps of JDBC with code snippets. OR Write a Java program to execute a database transaction. (08 Marks) 10 a. Explain: i) Callable statement object (08 Marks) ii) Prepared statement object

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