CBCS SCHEME

USN	FTT			18CS644
		350		

Sixth Semester B.E. Degree Examination, Dec.2023/Jan.202

		Advanced Java and J2EE					
Time	e: 3 hrs.	Ma	x. Marks: 100				
	Note: Answ	ver any FIVE full questions, choosing ONE full question from each	h module.				
		Module-1					
1 :							
	and explain: (i) values() (ii) valueOf() (iii) ordinal() (vi) compareTo()						
-		(v) equals()					
(Wrapper class? Explain the following with examples:					
	(i)	Boxing					
	(ii) (iii)	Un-Boxing Auto-boxing					
	(iv)	Auto-boxing	(10.34-4				
	(14)	Auto-unboxing	(10 Mark				
		OR					
2 8	a. What are	annotations? Explain the following Built-in annotations with exam	nles:				
	(i)	@Override	,,,,,,,				
	(ii)	@Inherited					
	(iii)	@Retention					
	(iv)	@Supress Warnings	(10 Mark				
t	 Explain t 	the following with respect to annetations:					
	(i)	Single member annotations.					
	(ii)	Default values in annotations.	(10 Mar)				
		Module-2					
3 8		collection frame work? Explain the methods defined by the following	g interfaces:				
	(i)	Collection					
	(ii) (iii)	List Sorted Set					
	(iv)	Queue	(10 Mark				
P		now collections can be accessed using an iterator with example.	(96 Mari				
		HashMap with example.	(84 Mark				
100			(U+ MARI)				
		OR					
4 8	a. Explain	he following collection classes by constructing a JAVA program :					
	(i)	Linked List					
	(ii)	Array List					
	(iii)	Tree Set					
	(iv)	Hash Set	(10 Mark				
F	What is I	Legacy classes? Explain the different Legacy classes with a Java Pro	gram.				

1 of 2

(10 Marks)

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Module-3

- What is string in Java? Explain the different constructors of string class. Also list the
 difference between String Class and String Buffer class.
 - b. Explain the difference between equals and = with example.

(05 Marks)

c. Explain how to check the occurance of a substring in a given string.

(05 Mark

OR

- 6 a. Explain the following built in methods with respect to string buffer class
 - (i) capacity ()
 - (ii) delete ()
 - (iii) replace ()
 - (iv) append ()
 - (v) substring ()

- (10 Marks)
- b. Explain any two character handling functions in string class. (04 Marks)
- c. Write a java program to sort names in Bubble sort.

(06 Marks)

Module-4

- 7 a. Explain the life cycle of servlet. (06 Marks)
 - b. Write a Servlet program to accept parameter from HTML (username & password) and display.

 (08 Marks)
 - c. Explain the role of Tomcat server in servlets. (06 Marks)

OR

- a. List the difference between JSP and Servlet. Also explain the different JSP tags with example.
 - b. Explain sessions and cookies in JSP.

(06 Marks)

c. How arrays are defined in JSP?

(04 Marks)

Module-5

9 a. What is JDBC? Explain the different JDBC driver types.

(10 Marks)

- b. What is statement object in JDBC? Explain the following statement objects with example :
 - (i) Preparedstatement
 - (ii) CollableStatement

(10 Marks)

OR -

10 a. Explain ScrollableResultSet and UpdatableResultSet object in JDBC.

(10 Marks)

Explain transaction processing in JDBC.

(06 Marks)

c. Explain the types of exceptions occurred in JDBC.

(04 Marks)

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