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Degree : B.E
 Branch : Computer Science & Engineering
 Course Title : Advanced Java and J2EE
 Duration : 90 Minutes

Semester : V
 Date : 16-10-2019
 Course Code : 17CS553/15CS553
 Max Marks : 30

Note: Answer ONE full question from each part

Q. No.	Question	Marks	K Level	CO mapping
PART-A				
1(a)	Explain different StringBuffer Constructors with an example.	5	Understanding K2	CO2
(b)	Explain the collection interfaces: i) Queue ii) SortedSet.	5	Understanding K2	CO3
(c)	Create a class STUDENT with two private string members: USN, Name using LinkedList class in Java. Develop a Java program to add atleast 3 objects of above STUDENT class and display the data in the neat format.	5	Applying K3	CO3
OR				
2(a)	Explain the following StringBuffer methods with an example. I. length() II. capacity() III. ensureCapacity() IV. setLength() V. getChars()	5	Understanding K2	CO2
(b)	Explain accessing a collection via an Iterator with an example.	5	Understanding K2	CO3
(c)	Build a Java program using comparator to sort accounts by the last name for the storage of accounts with name in TreeMap class.	5	Applying K3	CO3
PART-B				
3(a)	Construct a StringBuffer for "one two one". Also find the first and last index of "one".	5	Applying K3	CO2
(b)	Explain the different constructors of HashMap class.	5	Understanding K2	CO3
(c)	Explain Comparator with an example.	5	Understanding K2	CO3

OR				
4(a)	Build a Java program to demonstrate charAt() and setCharAt() methods of StringBuffer.	5	Applying K3	C02
(b)	Explain the constructors of HashSet with an example.	5	Understanding K2	C03
(c)	Explain the following legacy classes with an example: a. Hashtable b. Vector	5	Understanding K2	C03

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