

USN



Internal Assessment Test 2 – October 2019

|                                       |  |           |          |            |           |                     |           |     |     |
|---------------------------------------|--|-----------|----------|------------|-----------|---------------------|-----------|-----|-----|
| Sub:                                  | Advanced Java & J2EE   |           |          |            | Sub Code: | 17CS553/<br>15CS553 | Branch:   | CSE |     |
| Date:                                 | 15/10/2019   | Duration: | 90 min's | Max Marks: | 50        | Sem / Sec:          | 5 / A,B,C | OBE |     |
| <u>Answer any FIVE FULL Questions</u> |  |           |          |            |           |                     | MARKS     | CO  | RBT |
| 1 (a)                                 | Differentiate equals and == when used on strings with an example program.                                      |           |          |            |           | [05]                | CO3       | L3  |     |
| (b)                                   | Write a program to remove all whitespaces from a string.   |           |          |            |           | [05]                | CO3       | L3  |     |
| 2 (a)                                 | Differentiate indexOf() and lastIndexOf() with code snippet  |           |          |            |           | [04]                | CO3       | L3  |     |
| (b)                                   | Write a program to check if the accepted string is a palindrome or not without reversing the string.           |           |          |            |           | [06]                | CO3       | L3  |     |
| 3 (a)                                 | Explain the following String comparison methods with code snippets<br>regionMatches(), compareTo()             |           |          |            |           | [05]                | CO3       | L2  |     |
| (b)                                   | Write a program to count the number of occurrences of each character in a string.                              |           |          |            |           | [05]                | CO3       | L3  |     |
| 4 (a)                                 | Explain with code snippet the following methods in StringBuffer<br>insert(), append(), replace(), substring(). |           |          |            |           | [8]                 | CO3       | L2  |     |
| (b)                                   | Differentiate String and StringBuffer.   |           |          |            |           | [2]                 | CO3       | L3  |     |

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|       |  |      |     |    |
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| 5     | Explain the use of Tomcat Server. Explain the different steps involved in configuring for Servlet program execution.   | [10] | CO4 | L2 |
| 6 (a) | What is a Servlet? Explain the lifecycle of the servlet.   | [05] | CO4 | L1 |
| (b)   | Create an html form that requests user for their preferred choice of color. Create an HttpServlet that handles the request and changes the background color of the page. | [05] | CO4 | L3 |
| 7 (a) | What is the requirement for session tracking?  | [05] | CO4 | L2 |
| (b)   | Explain using a program, how session tracking can be done with servlets ?  | [05] | CO4 | L2 |
| 8 (a) | Explain how cookies can be handled using servlets using example program.   | [10] | CO4 | L2 |

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