**PG-DITISS - JAVA Lab Exam Date: 14/10/2016**

**Total marks: 30**

**Time: 2 hrs**

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| **1.** | WAP to generate Fibonacci series (1, 1, 2, 3, 5........) for first n numbers. | **5** |
| **2.** | WAP to calculate factorial of a number entered by user. | **5** |
| **3.** | Music Player   * + 1. Create a collection of song objects.     2. Ask user for his favourite singer.     3. Retrieve all the songs by the selected singer in a collection.     4. Iterate over the collection to play each song.   **OR** | **20** |
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|  | **Student database**   * 1. Study the student database provided.   2. Take “user-id” and “password” as an input from user(.jsp page)   3. Authentic the user using a Servlet and a JDBC connection with Database   4. For a valid student user display “name” “marks” “grade” (.jsp page)   5. Display invalid user (.jsp page) | **30**  **10**  **10**  **10**  **10** |
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