**M S Ramaiah Institute of Technology**

**Department of Information Science and Engineering**

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| **Term:** | 22/01/2018 to 12/05/2017 | **Course Code:** | IS624 |
| **Course:** | Java and J2EE | **Semester:** | 6 |
| **CIE:** | Test-III | **Max Marks:** | 30 |
| **Date:** | 07/5/2018 | **Time:** | 2:00 pm – 3:00 pm |

**Portions for Test:** Lecture Nos. from 35 to 56 as per lesson plan

**Instructions to Candidates:** Answer any **Two** out of Three questions. **Mobile phones are banned**

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| **Sl No** | **Questions** | **Marks** | **BL** | **CO** |
| 1a. | Illustrate the life cycle of a thread by writing a java program. | (5) | U | 4 |
| 1b. | Write a servlet program to accept text from the user and display this text upon page submission. Also display the number of times this page has been requested. | (5) | Ap | 4 |
| 1c. | List and explain some of the Scripting elements of JSP. | (5) | U | 5 |
| 2a. | Create a HTML for to accept register number, name and age of the student. Transfer these details to the server-side processing file names acceptStudent.jsp. If the age of the student is greater than 30, then the control is transferred to a jsp called showStudent.jsp along with a message else deliver a welcome message to acceptStudent.jsp. | (9) | Ap | 5 |
| 2b. | With a neat diagram explain the JDBC architecture. | (6) | U | 4 |
| 3a. | Write a program using Servlets to create a front end to enter author information such as author name, degree, speciality and data of birth. On clicking on the search button add the record details to an AuthorDetails database. On clicking on a delete button the record should be removed from the database. | (10) | Ap | 4 |
| 3b. | Discuss the life cycle of JSP. | (5) | U | 5 |

U : Understand Ap: Apply