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**SNS COLLEGE OF TECHNOLOGY****(Autonomous)****MCA- Internal Assessment –II (May2024)****Academic Year 2023-2024(Even) / Second Semester****23CAT606 – Java Programming****A****Time: 1<sup>1/2</sup> Hours****Maximum Marks: 50****Answer All Questions****PART - A (5 x 2 = 10 Marks)**

- |   | CO  | BL  |
|---|-----|-----|
| 1 List any four event packages with its purpose.                            | CO2 | Und |
| 2 Differentiate final, finalize and finally in Java.                        | CO2 | Ana |
| 3 Assess how will you set and get the priority for a thread.                | CO3 | Eva |
| 4 Analysis which JDBC API components are utilized to start the SQL queries. | CO3 | Ana |
| 5 Outline the lifecycle of Servlet.   | CO3 | Und |

**PART - B (2 x 13 = 26, 1x 14=14Marks)**

- |  |     |     |
|--|-----|-----|
| 6 (a) Classify the methods and classes used in Garbage Collection with suitable example.<br>(Or)   | CO2 | Ana |
| (b) Analyze which one is better to implement thread in Java: extending Thread class or implementing Runnable interface.  | CO3 | Ana |
| 7 (a) Interpret the idea of readers writers I/O problem and put it into practice by utilizing the appropriate Java classes and methods.<br>(Or)                                | CO3 | Eva |
| (b) Assess the methods used in URL class using a relevant example  | CO3 | Eva |
| 8 (a) Develop a java program to implement a 3 frame in a window. In each frame create rectangle and fill each with color, texture and gradient with effective layouts.<br>(Or) | CO2 | App |
| (b) Create a simple Student Management system for a university using Java and JDBC. The system should be able to connect MySQL and manipulate the Database.                    | CO3 | App |

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