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| <b>DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE</b><br><b>Supplementary Summer Examination – 2024</b><br><b>Course: B. Tech. Branch : Artificial Intelligence &amp; Data Science and Allied Branches</b><br><b>Semester : V Subject Code &amp; Name: Advanced Java – BTAIPE504D</b><br><b>Max Marks: 60 Date: 08/07/2024 Duration: 3 Hr.</b>                            |  |            |           |
| <b>Instructions to the Students:</b><br>1. All the questions are compulsory.<br>2. The level of question/expected answer as per OBE or the Course Outcome (CO) on which the question is based is mentioned in ( ) in front of the question.<br>3. Use of non-programmable scientific calculators is allowed.<br>4. Assume suitable data wherever necessary and mention it clearly. |  |            |           |
|  |  | (Level/CO) | Marks     |
| <b>Q. 1</b>  | <b>Solve Any Two of the following.</b>   |            | <b>12</b> |
| A)   | Explain applet architecture with its life cycle and a simple example program to print Hello World.                     | L1 / CO1   | 6         |
| B)   | Write a applet program to accept name and age as parameters and display.   | L1 / CO1   | 6         |
| C)   | Explain DocumentBase ( ) and getCodeBase ( )   | L2 / CO1   | 6         |
|  |  |            |           |
| <b>Q.2</b>   | <b>Solve Any Two of the following.</b>   |            | <b>12</b> |
| A)   | List and explain the various java utilities in java.util package.  | L1/CO2     | 6         |
| B)   | Define Event, Event Handling, Event Source, Event classes and Event Listeners.   | L1/CO2     | 6         |
| C)   | Write a program to handle KeyEvents.   | L3/CO2     | 6         |
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| <b>Q. 3</b>  | <b>Solve Any Two of the following.</b>   |            | <b>12</b> |
| A)   | Explain in detail JDBC driver types.   | L1/CO3     | 6         |
| B)   | Write a program to implement JDBC connectivity and implement select statements on a student (roll, class, name) table. | L2/CO3     | 6         |
| C)   | Define Statement, ResultSet, Prepared Statement, callable statements.  | L3/CO3     | 6         |
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| <b>Q.4</b>   | <b>Solve Any Two of the following.</b>   |            | <b>12</b> |
| A)   | Explain the architecture of RMI.   | L2/CO4     | 6         |
| B)   | Explain the client / server architecture in detail.  | L3/CO4     | 6         |
| C)   | Describe Datagrams, DatagramSocket and DatagramPacket.   | L2/CO5     | 6         |
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| <b>Q. 5</b>  | <b>Solve Any Two of the following.</b>   |            | <b>12</b> |

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|----|--|--------|---|
| A) | Explain the URL and URI class with its differences.              | L1/CO5 | 6 |
| B) | Explain InetAddress, Inet4Address, Inet6Address                  | L2/CO5 | 6 |
| C) | Explain what is Servlet and in detail the life cycle of Servlet. | L2/CO5 | 6 |
|    | *** End ***  |        |   |

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