

Hall Ticket Number :

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R-19

Code: 19A551T

III B.Tech. I Semester Supplementary Examinations June 2024

Advanced Java Programming
(Computer Science and Engineering)

Max. Marks: 70

Time: 3 Hours

Answer any five full questions by choosing one question from each unit (5x14 = 70 Marks)

UNIT-I

- | | Marks | CO | BL |
|---|-------|----|----|
| 1. Explain the following components.
a) Scene b) Stage c) SceneGraph | 14M | 1 | 2 |

OR

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|--|----|---|---|
| 2. a) List and explain JavaFX packages. | 7M | 1 | 2 |
| b) Write a JavaFX application to demonstrate life cycle methods. | 7M | 1 | 2 |

UNIT-II

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|--|-----|---|---|
| 3. Discuss the following JavaFX components.
a) Image b) ImageView | 14M | 2 | 2 |
|--|-----|---|---|

OR

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|---|----|---|---|
| 4. a) Define Tooltip. How can you add tooltip to the JavaFX controls? | 7M | 2 | 3 |
| b) How can you disable a control? Explain with suitable example. | 7M | 2 | 2 |

UNIT-III

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|--|----|---|---|
| 5. a) What is the purpose of JDBC? | 7M | 3 | 1 |
| b) List out the types of JDBC drivers. Describe them with neat sketch. | 7M | 3 | 2 |

OR

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|---|-----|---|---|
| 6. a) List and explain methods from Connection interface. | 10M | 3 | 2 |
| b) Differentiate Statement Vs PreparedStatement | 4M | 3 | 3 |

UNIT-IV

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|--|-----|---|---|
| 7. What is servlet? Explain life cycle methods of servlet with an example program. | 14M | 4 | 2 |
| OR | | | |
| 8. How can you initialize parameters from web.xml file? Explain how you can access these parameters in servlet application. Explain with an example program. | 14M | 4 | 3 |

UNIT-V

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|--|----|---|---|
| 9. a) What is JSP? How JSP application works? | 7M | 5 | 2 |
| b) Explain JSP scripting elements with syntax. | 7M | 5 | 2 |

OR

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|---|-----|---|---|
| 10. What is java bean? Develop a java bean and explain how it is called from a jsp page. Demonstrate with an example program. | 14M | 5 | 2 |
|---|-----|---|---|

Important Note: 1. On completing your answers. Compulsorily draw diagonal cross line on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and/or equations written eg. 32+8=40, will be treated as malpractice.