

B.Sc. (Data Science) NEP Semester-III
BSCDS034 - Java Programming

P. Pages : 1

Time : Three Hours



GUG/S/25/16141

Max. Marks : 40

Either:

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|----|----|---|---|
| 1. | a) | Explain Garbage collection in Java. | 4 |
| | b) | Describe Java virtual machine in details. | 4 |

OR

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|--|----|--|---|
| | c) | Explain various Features of Java. | 4 |
| | d) | Explain various decision making Statement in Java. | 4 |

Either:

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|----|----|--|---|
| 2. | a) | Explain Relationship between super class object and subclass object. | 4 |
| | b) | Explain Data Hiding and Encapsulation in Java. | 4 |

OR

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| | c) | Explain Pass by value within example. | 4 |
| | d) | Explain Data Members and variables. | 4 |

Either:

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| 3. | a) | Explain multithreading with example. | 4 |
| | b) | Explain throws keywords. | 4 |

OR

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| | c) | Explain Various Types of Exceptions try. | 4 |
| | d) | Describe Thread Life Cycle with example. | 4 |

Either:

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| 4. | a) | Describe Event Delegation Model in details. | 4 |
| | b) | Describe containers in Abstract window Toolkit. | 4 |

OR

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|--|----|---------------------------------------|---|
| | c) | Explain various component of AWT. | 4 |
| | d) | Explain Applet Life cycle in details. | 4 |

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| 5. | | Solve all questions. | |
| | a) | Explain the concept of Thread synchronization. | 2 |
| | b) | Explain 'this' reference. | 2 |
| | c) | Describe JDK Environment in Java. | 2 |
| | d) | Explain Inter Applet Communication. | 2 |
