

**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR**  
(AUTONOMOUS)  
**B.Tech II Year I Semester Regular & Supplementary Examinations December-2023**  
**OBJECT ORIENTED PROGRAMMING THROUGH JAVA**

(Common to CSIT, CSE, CCC & CIC)

**Time: 3 Hours****Max. Marks: 60**

(Answer all Five Units 5 x 12 = 60 Marks)

**UNIT-I**

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|---|--|-----|----|----|
| 1 | a Discriminate the type of operators in java with examples.    | CO1 | L4 | 6M |
|   | b Explain the decision making statements in java with example. | CO1 | L2 | 6M |

**OR**

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|---|--|-----|----|----|
| 2 | a Explain about the Iteration statements with examples.  | CO1 | L2 | 6M |
|   | b Create a java program to find the greatest of three numbers and give the procedure for compilation and run the same. | CO1 | L6 | 6M |

**UNIT-II**

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|---|--|-----|----|----|
| 3 | a Give the definition and syntax of Class, Method and Object?                    | CO2 | L2 | 6M |
|   | b Create a java program to display "Hello! Java" using Class, Object and Method. | CO2 | L6 | 6M |

**OR**

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|---|---|-----|----|----|
| 4 | a Describe about the super keyword in java with example.  | CO2 | L2 | 6M |
|   | b Create and explain java program for the implementation of single and multi-level inheritance. | CO2 | L6 | 6M |

**UNIT-III**

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|---|---|-----|----|----|
| 5 | a What are Java's built-in exception? Write the importance of finally Block with a example.                     | CO3 | L1 | 6M |
|   | b Develop a java program to create own exception for negative value exception if the user enter negative value. | CO3 | L6 | 6M |

**OR**

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|---|--|-----|----|----|
| 6 | a Sketch and explain Thread life cycle.  | CO4 | L3 | 6M |
|   | b Write a Java program that creates three threads. First thread displays "Good Morning Rahul Dravid", every one second, the second thread displays "Mr Dependable", every two seconds and the third thread displays "The Wall", every three. | CO4 | L6 | 6M |

**UNIT-IV**

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|---|---|-----|----|----|
| 7 | a Illustrate General form of Generic class with an example.   | CO2 | L3 | 6M |
|   | b Analyze the following concepts with java programs.<br>i) Array list    ii) Tree set    iii) Linked hash map | CO6 | L4 | 6M |

**OR**

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|---|---|-----|----|----|
| 8 | a Write in detail about various stream classes in java.               | CO4 | L6 | 6M |
|   | b Develop a java Program to read from a file using file reader class. | CO4 | L6 | 6M |

**UNIT-V**

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|---|--|-----|----|-----|
| 9 | Develop a java program to design simple registration page window using AWT controls. | CO5 | L6 | 12M |
|---|--|-----|----|-----|

**OR**

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|----|---|-----|----|-----|
| 10 | Explain the following methods in java.<br>i) Default method<br>ii) Static method<br>iii) For Each()method | CO5 | L2 | 12M |
|----|---|-----|----|-----|

**\*\*\* END \*\*\***

