

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)

B.Tech II Year II Semester Regular & Supplementary Examinations August-2023

OBJECT ORIENTED PROGRAMMING THROUGH JAVA

(Common to CSM & CAD)

Time: 3 Hours

Max. Marks: 60

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

UNIT-I

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|---|--|-----|----|----|
| 1 | a What is Byte Code? Analyze the different states of Java Program Execution. | CO1 | L4 | 6M |
| | b Explain History and Evolution of Java. | CO1 | L2 | 6M |

OR

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|---|---|-----|----|----|
| 2 | a Define an Array? Classify the types of arrays in Java. | CO1 | L4 | 6M |
| | b Create a Java program to read and display the array elements. | CO1 | L6 | 6M |

UNIT-II

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|---|---|----|-----|----|
| 3 | a Define Constructor? Classify the types of Constructors in Java. | L4 | CO2 | 7M |
| | b Write a java program to illustrate Constructor Overloading. | L6 | CO2 | 5M |

OR

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|---|--|----|-----|----|
| 4 | a Write a java program to find the factorial value of the given number using user defined package concept. | L6 | CO2 | 6M |
| | b State what is an interface and the rules to create an interface in java with example program. | L1 | CO2 | 6M |

UNIT-III

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|---|---|----|-----|----|
| 5 | a Explain about Nested try statements with an example. | L2 | CO3 | 6M |
| | b Give the difference between checked and unchecked exceptions. | L4 | CO3 | 6M |

OR

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|---|---|----|-----|----|
| 6 | a Define String? Write the difference between String and String Buffer classes. | L4 | CO4 | 6M |
| | b Create a java program to check the given string is palindrome or not. | L6 | CO4 | 6M |

UNIT-IV

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|---|---|----|-----|----|
| 7 | a Define Generics. State the importance of generics in java. | L1 | CO2 | 4M |
| | b Demonstrate the implementation of Generics in java with an example program. | L2 | CO2 | 8M |

OR

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| 8 | Discuss about the File Input Stream and File Output Stream in java with examples. | L2 | CO4 | 12M |
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UNIT-V

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| 9 | Develop a java Program to design Simple Registration page window using AWT Controls. | L6 | CO5 | 12M |
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| 10 | a Illustrate with an example to explain the similarities for method reference operator and Lambda Expression. | L3 | CO5 | 6M |
| | b Describe Reference to an instance method of an arbitrary object of a particular type. | L2 | CO5 | 6M |

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