

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

MCA I Year II Semester Regular & Supplementary Examinations August-2023
JAVA PROGRAMMING

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 Enumeration? Discuss with an example. | CO1 | L2 | 6M |
| | b Explain in detail with this reference with an example. | CO1 | L3 | 6M |

OR

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| 2 | Identify the different types of control flow statements in java. | CO1 | L1 | 12M |
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UNIT-II

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| 3 | Develop a program that illustrates the dynamic binding? Explain. | CO2 | L6 | 12M |
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| 4 | a What is an inheritance? | CO2 | L1 | 6M |
| | b Explain the benefits of Inheritance. | CO2 | L2 | 6M |

UNIT-III

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|---|--|-----|----|----|
| 5 | a What is StringTokenizer? Write a program to add the given numbers using StringTokenizer? | CO3 | L1 | 6M |
| | b Identify the types of collection interface with an example. | CO3 | L3 | 6M |

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| 6 | Construct a Program of client and server using socket. | CO3 | L6 | 12M |
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UNIT-IV

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| 7 | Explain in detail usage of try, catch, throw, throws and finally with an example. | CO4 | L2 | 12M |
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OR

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| 8 | a Identify the differences between multiple processes and multiple threading. | CO4 | L3 | 6M |
| | b What is Multithreading? Explain in details of Thread states with architecture diagram. | CO4 | L4 | 6M |

UNIT-V

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| 9 | Write a program to develop a sample application using Jpanel and JFrame. | CO5 | L6 | 12M |
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| 10 | a Explain in details of Event Listener with an example. | CO5 | L2 | 6M |
| | b Briefly explain the differences between application and applets. | CO5 | L2 | 6M |

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