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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
MCA II Year I Semester Supplementary Examinations November-2020
JAVA PROGRAMMING

Time: 3 hours

Max. Marks: 60

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

UNIT-I

- 1 a Explain details about List of operators in java. 6M
 b Explain the Method overloading & Constructor overloading with an example. 6M

OR

- 2 a What is Generics? Explain the Generics Class & Generics Methods. 6M
 b Write a java program to implement matrix ADT class with Reading and Writing operations? 6M

UNIT-II

- 3 a What is inheritance? Explain the benefits of Inheritance. 6M
 b Write a program that illustrates the abstract class? Explain. 6M

OR

- 4 a What is Object class? Explain a method of Object class with an example. 6M
 b Write a program that illustrates the multi-level inheritance? 6M

UNIT-III

- 5 a What is StringTokenizer? Write a program to add the given numbers using String Tokenizer. 6M
 b Explain the Reader & Writer with an example. 6M

OR

- 6 a Explain details about Scanner with an example. 6M
 b Explain details about Utility class Formatter, Observer, and Random. 6M

UNIT-IV

- 7 a Explain the benefits of the exception. 6M
 b Explain the life cycle of a thread. 6M

OR

- 8 a Explain the details about runnable interface with an example. 6M
 b Explain thread class with an example. 6M

UNIT-V

- 9 a Explain details about MVC Architecture. 6M
 b Explain about KeyEvent Listener. 6M

OR

- 10 a Explain the following 6M
 (i) JComboBox (ii) JMenu
 b Explain (i) JTextField (ii) JButton 6M

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