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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)**MCA I Year II Semester (R16) Regular Examinations May/June 2017****OOPs THROUGH JAVA**

(For Students admitted in 2016 only)

Time: 3 hours

Max. Marks: 60

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

UNIT-I

- 1 a. Explain the three OOP principles 6M
b. Write a java program to create a generic method 6M

OR

- 2 a. Discuss the java primitive data types 8M
b. List out and explain the iterative statements in java 4M

UNIT-II

- 3 a. Explain inheritance types with appropriate program. 10M
b. Define package 2M

OR

- 4 a. What is an anonymous inner class? Write a java program that uses anonymous inner class. 6M
b. Define interface and explain the use interface to create an abstract class with an example program 6M

UNIT-III

- 5 Discuss the use of Collection classes and commonly used Collection classes in java 12M

OR

- 6 Write a java program to read the file contents and copy the content to other file. 12M

UNIT-IV

- 7 Explain the different ways of handling the exceptions with multiple catch and nested try statements. 12M

OR

- 8 a. What is a thread? What is multithreading? 5M
b. Describe thread priorities with a java program 7M

UNIT-V

- 9 a. Write a java program to handle Mouse events 6M
b. What is an applet? Explain the life-cycle of an applet 6M

OR

- 10 a. Explain the following Layout managers Border, Grid, Flow, and Box. 8M
b. What is swing? Illustrate the MVC architecture 4M

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