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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
MCA II Year I Semester Regular Examinations Feb-2021
JAVA PROGRAMMING

Time: 3 hours

Max. Marks: 60

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

UNIT-I

- 1 a Describe in detail about types of overloading with an example. 6M
 b What are Generics? Explain the Generics Class & Generics Methods with an example. 6M

OR

- 2 Explain in detail about list of operators in java. 12M

UNIT-II

- 3 a What is inheritance? Explain the benefits of Inheritance 6M
 b Discuss the types of inheritance in java with an example. 6M

OR

- 4 a What is Polymorphism? Discuss with types of Polymorphism with an example. 6M
 b Write a program of the Method Overriding & Method overloading? 6M

UNIT-III

- 5 a What is StringTokenizer? Write a program to add the given numbers using StringTokenizer? 6M
 b Describe in detail types of collection interface with an example. 6M

OR

- 6 a Write a Program of client and server using socket? 6M
 b Explain in details about Utility class Formatter, Observer, and Random with an example. 6M

UNIT-IV

- 7 a Describe in detail of creating in own exception with an example. 6M
 b Discuss in details of checked and unchecked exception with an example. 6M

OR

- 8 a Differentiate the thread class and runnable interface with a sample example. 6M
 b What is thread class? Explain in detail of Thread class and thread priorities with a sample example. 6M

UNIT-V

- 9 a Explain in detail about MVC Architecture. 6M
 b Explain details about Hierarchy for swing component with an example. 6M

OR

- 10 a Explain in details of Layout managers with an example. 6M
 b Write a program of simple banner applet? 6M

*** END ***