

Reg. No:

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

MCA II Year I Semester Regular Examinations Nov/Dec 2019
JAVA PROGRAMMING

Time: 3 hours

Max. Marks: 60

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

UNIT-I

- 1 a What is Constructors? Explain the types of constructors. 6M
b What is Array? Explain details about types of Array with an example. 6M

OR

- 2 a Explain the different control statements & Looping in java. 6M
b What is Recursion & Garbage Collections? 6M

UNIT-II

- 3 a What is Polymorphism? Explain the Method Overriding with an example. 6M
b Give differences between an interface and abstract class. 6M

OR

- 4 a Write a program that implements multilevel hierarchy. Explain. 6M
b Write a program that illustrates the preventing of inheritance. 6M

UNIT-III

- 5 a Explain the predefined streams in java. 6M
b Explain the Byte Stream & Character Stream with an example. 6M

OR

- 6 a Define File. Explain the operations of File. 6M
b What is Datagram? Brief about Datagram Packet with an example. 6M

UNIT-IV

- 7 a Explain the try...catch () block in detail. 6M
b Explain about Multiple catch clauses. 6M

OR

- 8 a What is thread? Describe details about Multithreading. 6M
b Explain the various thread priorities with an example. 6M

UNIT-V

- 9 a Explain the life-cycle of an applet. 6M
b Explain the Key Listener, Mouse Listener, Mouse Motion Listener interfaces. 6M

OR

- 10 a Explain the JFrame with an example. 6M
b Explain the JPanel with an example. 6M

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