

21/4/26 FN

O.P.Code: 20MC9109

R20

H.T.No.

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

**MCA I Year II Semester Supplementary Examinations April-2026
JAVA PROGRAMMING**

Time: 3 Hours

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

Max. Marks: 60

UNIT-I

- 1 Describe Encapsulation, Polymorphism and Inheritance. CO1 L2 12 M
- OR**
- 2 a Explain in detail with this reference with an example. CO1 L3 6 M
- b Briefly discuss about type conversion. CO1 L2 6 M

UNIT-II

- 3 a Identify how to define and implement an interface. Explain with suitable example. CO3 L3 6 M
- b What is an abstract class? Construct an example. CO3 L2 6 M

OR

- 4 Explain details about the CLASSPATH & import of Package CO2 L2 12 M

UNIT-III

- 5 a Identify the types of collection interface with an example. CO3 L3 6 M
- b What is Inputstream and Outputstream? CO3 L1 6 M

OR

- 6 Define File. Explain the operations of File. CO3 L3 12 M

UNIT-IV

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

OR

- 8 Explain in detail about life cycle of a thread with a sample example. CO4 L2 12 M

UNIT-V

- 9 Describe in detail of swing components with an example. CO5 L1 12 M
- OR**
- 10 Briefly explain the differences between application and applets. CO5 L2 12 M

***** END *****