



TONTADARYA COLLEGE OF ENGINEERING

(Department of Computer Science)

Internal Assessment – 1 (18CS61)

Subject : SS & CD

Date : 19-05-2022

Semester : 6

Time : 9.30 to 11.00

Answer following questions choosing one question from each part

Total Marks: 50

PART-A

CO

- Q1 a) Explain in detail SIC/XE machine architecture. 13M (CO1)
b) Write an algorithm for Pass-1 of an assembler. 12M (CO1)

OR

- Q2 a) Explain the absolute loader and write its algorithm. 13M (CO1)
b) Explain SIC Architecture in detail. 12M (CO1)

PART-B

CO

- Q3 a) Write the SIC/XE program for a bootstrap loader with suitable comments. Explain in brief the algorithm of a bootstrap loader. 13M (CO1)
b) Explain program relocation. 12 M (CO1)

OR

- Q4 a) List and explain machine independent assembler features. 25 M (CO1)

Course Outcome	Complete Title
CO1	Explain system software