



K.S.Institute of Technology, Bangalore

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING ASSIGNMENT QUESTIONS

Academic Year	2020-21		
Batch	2018-2022		
Year/Semester/section	III/VI/A &B		
Course Code-Title	18CS61- SYSTEM SOFTWARE & COMPILERS		
Name of the Instructor	Mrs. Deepa .S.R	Dept	CSE

Assignment No: 1

Date of Issue: 14/5/2021

Total marks:10

Date of Submission: 23/5/2021

SL.No	Assignment Questions	K Level	CO	Marks
1.	a. Determine the Pass1 and Pass 2 algorithms of 2 pass assembler	Applying	1	1
	b. Obtain SIC and SIC/XE Machine Architecture			2
	c. Identify the working of Absolute Loader and Bootstrap Loader also write the algorithms			1
	d. Pedagogy- Module-1 Quiz			2
2.	a. Make use of the statement $position = initial + rate * 60$ to show the translations at different phases of the compiler	Applying	2	2
	b. Determine the role of sentinels in input buffering along with the look ahead code.			2