SPRING 2021

COMPILER CONSTRUCTION (CS-310)
Assignment 3

Semester: VI   Batch: 2019
Due Date: 25-May-2021   Max Marks: 10

Instructions:
- Attempt all questions

Q#1. Show that following grammer is LL(1)?

bexpr   → bexpr or bterm | bterm
bterm   → bterm and bfactor | bfactor
bfactor → not bfactor | (bexpr) | true | false

and show the stack implementation for input

not(true or false).

Q#2. Construct the SLR Parsing for the given grammar

A → A + K
K → KW | w
W → w* | a | b
And show the stack implementation for input

a + ba* + a*

Q#3. Define L-attributed and S-attributed grammar with the help of example?