Generated Question Set 2024

SUBJECT: Compiler Design

SUBJECT CODE: CD101

MARKS: 30

Question 1: 1 Describe input buffering scheme in lexical analyzer .

Marks: 3

Question 2: 4 What is Recursive Descent par sing? List the problems faced in designing such a parser.

Marks: 3

Question 3: 11 What are L-attributed definition s and S-attributed definition s in a syntax directed translation scheme?

Marks: 3

Question 4: 12 a) Find the LR(0) items for the grammar S->SS | a| ?. b) Explain bottom - up evaluation of s -attributed definitions.

Marks: 9

Question 5: 2 Construct a regular expression to denote a language L over ? = {0,1} accepting all strings of 0?s and 1?s that do not contain substring 011

Marks: 3

Question 6: 3 Consider the context free grammar S ->aSbS | bSaS | ? Check whether the grammar is ambiguous or not

Marks: 3

Question 7: 10 What are annotate d parse trees? Give examples.

Marks: 3

Question 8: 8 Explain the main actions in a shift reduce parser

Marks: 3