Assignment 2 (IT3202-ACD)

- Design a Tuning Machine for the following Language $L = \{\omega \omega^{R} \mid \omega \in (0,1)\}$
- 2 Design a TM for L=(anbn+1 | n > 1)
- 3 Design a TM to find 215 complement.
- (Compute First () & Follow () for the following grammar:

Q -> y 2/3

 $S \rightarrow \mathcal{Y}$

ûJP→20RS and S→(L)/a

 $Q \rightarrow y \frac{1}{2}$ $L \rightarrow SL'$ $R \rightarrow \omega \mid \epsilon$ $L' \rightarrow , SL' \mid \epsilon$ $S \rightarrow y$

(5) Check whether following grammar is LLU) or not, s→ictss'/a c→b

sin esle 6 Construct LR(0) canonical items for the following

grammans";

(i) S -> a AB/Ba

 $A \rightarrow c$

(i) E > E+T/T

T->TXF/F

F→ (E)/id

Check above grammar can be used for LP(0) parser. ? If yes, then parse any valid input string using stack.

Intendent of LR(0), what do you mean by hand he and benefit handle pruning.

Submission Date: 24/04/2024 (Dead line) till spm.