CS402 Current Final Term Papers 2018 To 2020

2020

Paper 1

CS402 current paper | 10-09-2020 | 08:00 AM

1) Mostly question from cfg

2) prefixes ka 1 question tha

3) Fa Draw krna tha regular expression ka

4) n ki value di thi or use non regular expression proof krna tha

5) pumping lema ka 1 question tha

6) Mcqs sare conceptual the 4 ,5 past se aye the bs itna yad ha

Paper 2

CS402 current paper

Mcqs mostly past papers se thy or quiz no 4 se thy

Aik table tha jis se mealy machine bnani thi 5 marks ka

Outputs likhni thi Aik question ma Uski diagram di hoi thi

Strings di hoi thi us se NFA bnana tha or bhi thy last Waly lectures ma se

Transition graph bnana tha

Paper 3

cs402 ka paper tha

Mcqs mostly past papers se thy or quiz no 4 se thy

Aik table tha jis se mealy machine bnani thi 5 marks ka

Outputs likhni thi Aik question ma Uski diagram di hoi thi

Strings di hoi thi us se NFA bnana tha or bhi thy last Waly lectures ma se

Transition graph bnana tha

2019

Paper 1

Mcqs kuch past Sy thy baki book sy thy

Long question.

FA bnana tha condition di hui thi..

Aik fa bna k us ka compliment bhi bnana tha.

Aik expration dia hua tha us ka TG bnana tha.

Aik expression dia hua tha us sy CFG bnana tha.

Aik CFG given tha us sy 5 string drive krny thy.

Decidable problem ko define krna tha with example

Paper 2

40% mcqs was from waqar siddu files.20% from the topic of RE,FA.40% was totly conceptual.. No even no single question or mcqs from moazz files.long question was the about PDA(5),turning machine(5),push,pop program (5).

CFG and CKY topic cover most of short 3 mrks question.

Paper 3

Mcq from mooaz and waqar file 45%

Regular Experation to CFG(context free gramer)

PDA graph draw karna tha

CFD dia huwa tha uska regular exprastion finde karna tha

2 long graph waly thy unki output btani thi.

Last m Explain the PDF daigram state and symbols

Mcqs kuch past Sy thy baki book sy thy

Long question.

FA bnana tha condition di hui thi..

Aik fa bna k us ka compliment bhi bnana tha.

Aik expration dia hua tha us ka TG bnana tha.

Aik expression dia hua tha us sy CFG bnana tha.

Aik CFG given tha us sy 5 string drive krny thy.

Decidable problem ko define krna tha with example.

Mcqs mostly past papers se thy or quiz no 4 se thy

Aik table tha jis se mealy machine bnani thi 5 marks ka

Outputs likhni thi Aik question ma Uski diagram di hoi thi

Strings di hoi thi us se NFA bnana tha or bhi thy last Waly lectures ma se

Transition graph bnana tha

Bs mujhe itna he yad ha

Mcqs mostly past papers se thy or quiz no 4 se thy

Aik table tha jis se mealy machine bnani thi 5 marks ka

Outputs likhni thi Aik question ma Uski diagram di hoi thi

Strings di hoi thi us se NFA bnana tha

Paper 4

80% MCQS were from past papers and 20% were conceptual but quite easy.

Long questions were from mostly last part of the book.

2018

Paper 1

Cs 402 17 Feb 2018 (time 8:00AM)

Objective

MCQ are 50% in Past papers and 50% conceptual

Subjective

Q1 Explain CFG rules

Q2 Draw Transition graph.

Q3 draw FA of L=Lc also aab and bba concatenation.

Q4 a(a+b) CFG expression

Q5 (a+b)* aa CFG expression

Q6 (a+b)*aa CFG expression

Q7 s->AS|BS

A->a

B->b

Draw Push down Automata(PDA)?

Paper 2

MCq mostly from Mooaz file

CFG sy related zada question ty

PDA draw krna tha a(a+b)*

FA draw krna ta corresponding to NFA

lecture#45: sy aik long question ta handouts page 49

lecture#23: sy question ta Sequential circuit dia hua ta new values find out krni the A and B ke old values A=1 and B=0 same lecture nmbr 23 vali diagram the pr us mn AND ke jga NAND ta.

Unit production sy related ta aik question thek sy yad nahi

aik question Transition Graph sy ta TGs diay huay ty TG1+TG2 show krna ta

three problem CFG dsablty sy related type krni t

Paper 3

(MY TODAY'S PAPER)

65% MCQS FROM PAST PAPERS, 35% ARE NEW SO MUST READ HANDOUTS FOR FURTHER KNOWLEDGE.

THINGS I REMEMBERED.

Q1. DRAW FA FOR THE REGULAR EXPRESSION (a+b)* (aaa+bbb) (a+b)*. (5 MARKS)

Q2. DRAW CFG FOR REGULAR EXPRESSION (a+b)*bbb (a+b)*. (5 Marks)

Q3. FIND NON TERMINALS IN THE SELF-EMBEDDED TREE AS SHOWN IN FIGURE? (3 MARKS)

Q4. WHAT ARE NON REGULAR LANGUAGES? GIVE ANY TWO EXAMPLES AND GIVE REASON WHETHER IT ACCEPT FA OR TG. (3 MARKS)

Q5. DRAW FA FOR COMPLEMENT OF L WITH RESPECT TO SIGMA=(0,1) WITH ONLY TWO WORDS 010 AND 011? (5 MARKS)

Q6. A QUESTION ABOUT TM WHICH ACCEPTS NON-CFL GIVEN IN PAGE 142.DIAGRAM ARE GIVEN BUT WE NEED TO FIND NON CFL ONLY. ANSWER IN TWO LINES ONLY.NECHAY PIC UPLOAD KR RHA FOR FURTHER ASSISTANCE. (5 MARKS)

Q7.CFG K LIHAAZ SE TRANSITION GRAPH DIYA THA AB YAAD NHI.

BUS ITNA HI YAAD THA.

The End