- is always Deterministic finite Automation - look is outly in sheet (0)15 FA (6) 15 NFA delocall Sheet 4 - Which of the following x is accepted by given DFA (x is a binary string &= [0,13) ? divisible by 3 and 2 of by 6 2- Given: Lis IXE & X Contains even nots of 0'5 } Lz = { X E & X Contains odd no's of 1's No of final states in language LIVL2 20 3 51009 The maximum number of transition which can be performed over a state in a DFA? E-forbict () 3 11- The Maximum sumof in Jegree and out Jegree over a State in a DFA Can be determined as: & = {a,b,c,d} Jelends on the language The sum of minimum and maximum number of fina states for a DFA n States is equal to: under which of the following operation, NFA is not closel? None of the mentioned union-Intersection- Con Catenation Kleene - Negation - Which of the following is an application of finite Automaton? Compiler Design - Grammar Parsers-Text Search Sheet 5 to and I sheet 5 1-The entity which accepts Language is termed as: Auto Mata 2 - The entity Which generate language is termed 3-The Grammer can be defined as: G = (V, E, P, s) in the given definition, what does 5 represents ? starting variable 4 - There exists no finite automator to accept the Jan guage 2 Lis a set of and" 5- It could be proved by the funting lemma that the language is not regular? Lisa set of o'1"

& which among the following can't be accepted by a regular grammar? Lisaset a foot 1" 7 which of the expression is appropriate? For Production P: a->b Where a & V and b & (V+E)\* 28- For 5-7051 le for E- Eo, 13x, which of the following = is wrong for the language produced None of the Mentioned 9- The Minimum number of Productions required to Produce a language consisting of Palin frame string over & - Ta, by sadis au (5) for afinizal + as notalenis + = lo-Which of the following statement is correct? \$ 06 All Regular grammar are context free but not vice versa-H- Are ambiguous grammar context Free? True 12- Every grammar in Chomsky Normal Form is: Context Free 13- which of the Production rule can be accepted by Chomsky grammar ? A->BC, A->a, 5-7e Alt of the mentioned 4- Given gram marG: (1) 5-7AS (2) 5-7 AAS (3) A->5A (4) A->aa Which of the following Productions denies the for mat of chomsky Normal Form ? 2,4 15 - Which of the following grammars are in chamsky Normal Form: 5-> ABIBCICD, A->0, B->1, C-72, D->3 16-With reference to the Process of Conversion of a Context Free grammer to CNF, the number of Variables to be introduced for the terminals are: 5 > ABa A > aab B-) AC (3) = 17. In which of the following does the CNF Conversion find 1+5 use? CYK Algorithm - Bottom uf Parsing greprocessing step in some algorithms. All of the Mentioned = 18-let G be a grammar: 5->ABle, A->a, B->b is the given grammar in CNF? True (16,90 Chose of 19-1et & be a grammar: 5-7 AB| SAle, A-ya, B->6 is the given grammar in CNF? false



