	Page No
	Theory And Accomment
	Theory De Assignment  Automata Theory.  No. 181001001122
	100 170 han Glock 100- 10100 100 100
	Batch > B(S2B
1	Explain chandy hierarchy of grownargive
	the production onles of duch type of
	ype. Then & mention diff. typos of
	automata which are the acception for
	different types of language.
_>	unsestaicted Type o
	contact Type 1  contact Type 2
	regulary Type 3
	The Chomicsy hierarchy:
	Typo-O grammar: unrestricted grammar.
	Production suté: d-B
	Typo-O grommar: unrestricted grammar.  Production sute: X-B  X E (VUT) # V. (VUT) #  B E (VUT) #
	$Cxomple: G: Sab \rightarrow ba$ $A \rightarrow S$
	Example. A -> S
	· Automation : Turing madine.
	Type -1 grammar: Context-sensitive grammar
	Type -1 grammes
	Production rule: @ dAB -> d &B  Production rule: @ dAB -> d &B  where d, B \( \) \(
	where $\alpha, \beta \in (\sqrt{0})$
	and a lot
	Adomation: Non detarministic push down
ALCOHOLD STATE OF THE PARTY OF	The second secon

1. I'm: Linear bounded non-deterministe	-
Automation: linear bounded non-deterministre hising machine.	-
	_
Type - 2: Grammar: context free grammas	-
Production rule: $\Delta \rightarrow \beta$ where $\Delta \in V$ and $ \Delta  = 1$ $\beta \in (VUT)^*$ Crample $G: S \rightarrow AB$ $A \rightarrow a$ $B \rightarrow b$ Automation: Non-deterministic push down  automate	
where at vand part of B >> 5	
1. Lample of some deterministic bush down	
automata	
Type 3 Granmax: Regular Granmar	
Production rule:	
A -rd ab (tight linear)	
Production sule  A -rd   aB (Right linear)  A -ra   Ba (left linear)  where, A, B E V,  A  =  B  = 1, a E + 4	-
where ABC , ABC	
Example: G: S -> Sa, S -> a	
Automation: Frite State Automation	
O & C CM	
Differentiate b/w The Stouchoer OBFSM	1
PDA & Turing machine mentioning	
Aif. ypes, of each acountain	_
7 FSM PDA Turing machine	_
tope	_
B x 1 x2 x, 2n	-
Topo head head stuck head fruiters!	
[condro] [condro] tstack heard [scondro]	
ECM se a 5 PDA is a 7 It is a 7	
FSM is a S. PDA is a -1 tuple.	
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