dutomaia Theory O.B. Jern Jest 01.
The state of the s
D' Design a fsm to check whether the given decimal now divisible by 3
no us divisble by 3
Service as a contract of the service
② Design a FSM to check if the second last symbol is $1a^2$ over $\Sigma = \{a,b\}$
is la' oue = Sa, b?
B) Design a FSm do check it it cordains attents one occurrence of substring "bba" over \(\mu = \frac{1}{2} a, b\rac{1}{2} \)
one occurence of substraing "bba" over = 3 a b}
ATHER ADDRESS OF THE PROPERTY OF ANY A
The Design a FSM to creck if it does not contain any occurrence of three consecutive b's over $\Sigma = \{a,b\}$
any occurrence of three consecutivo b's ones
$\Sigma = \{a,b\}$
3 Défine the following
V
@ (alphabet Ha) and A MA Jones of Man
6 String sentence word on the sentence word
Sittle Commence of Management of the constant of the commence
6 explain the various operations on language.
@ Urion
(b) Concatenation
O Closure Positive closure
(2) Defire Regular Expressions with example.
U V
(3) Wrote R.E for the following-
<u> </u>
T= 3a,b7
z = {a,by
6 Sel of all strings that stard and end with
care symbol outes = 201,24
(a) Convert of the co
© sel of au strings that contain attease two a's over = 29,6%
0'8' Delle Z = 29,6 g

a's over Z={ab}
a's one z= sab 4
@ Set of an strings that start with ryyy &
end with eggs oner = - 12, yy.
@ Set of au strings that start with ryyy & end with ryyyx onex = 12, yy.
(8) Cexplain F.14 components Gworking Of F.A.
Ray Some South Ashertales In South San South
9 Explain différence between DFAG NFA.
The property of the first of the second of t
(6) Draw NFA yor given velgular expressions.
@ &= 10+ (0+11)0*
and converd it to min DFA
and concerd ut to men DFA
Don Diploming
(2) Construe a NFA without & from the
singiven NFA ilmoga bishing sill minigris (),
(1)
2000 - 20
(B) NFA without Ento DFA only 2019
o Z O Thomas and some of Z O
PP9 P
r s _ while man will be so
S S S
Experience of all electrical work with the state of the cook.
(3) Convert 1950 Dans 160 1954 C TONFA
without Girls Jollowing NFA with & to NFA
without Gisso 10 10 10 10 10 10 10 10 10 10 10 10 10

