CEZUL Final Exam Ke NEW (90 minutes) (Open-Book, Open-Note))

1 Number System conversions Brang Degiment Dutoal HEX ZAY bitrary

- @ Addition, subtraction, Multiplication, Division in Binary
- 3 Owlean Algebra and the theorems.

 A1136 = (A13) (A+C) A15+AB = AB + AB
- 4) K Merp, 50p. pos, static nazard, timing Diagram (time delay)
- 6) FA, HA, MVX, Decoder (lecture 17)
- @ SR latch, SR PF, JKPF, JK Monter slave FF, TPF, DFF,
- Deanter, shift register (lecture 22) switch debouncing

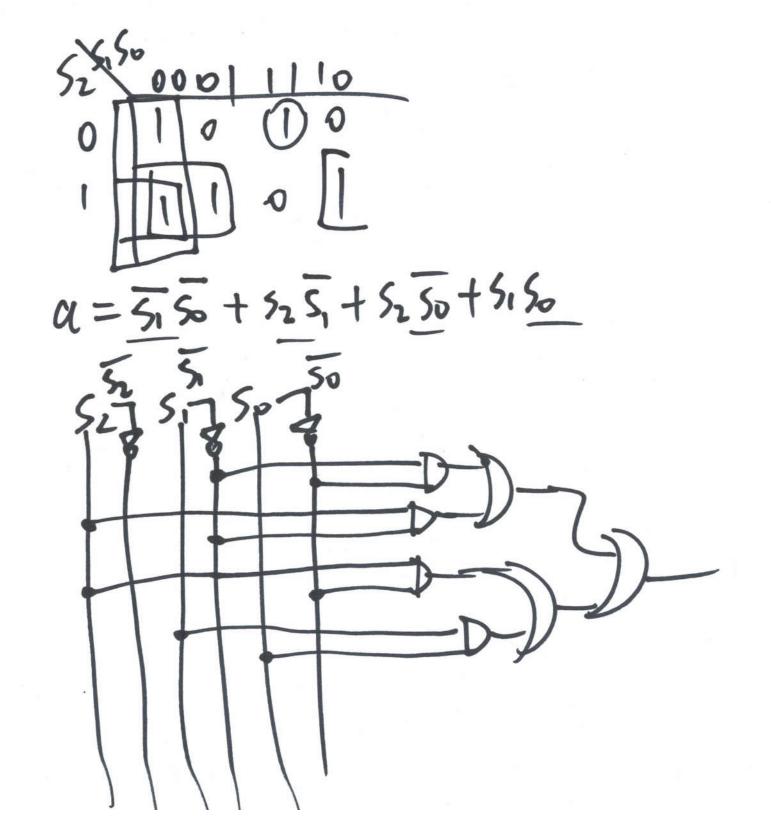
Breaky/Moore storle Marchine

(B) Marie 1
state Pragram => Sequential Circuit
Decoder 150 5,50 40 41 42 43 5,50 40 10 00 00 00 00 00 00 00 00 00 00 00 00
No, of patterns = Possible No. Input Combination No, of patterns = 2 bits
3 partiers = Z bits
9 patterns = 4 bits

2

Segment Display 8 different ourprits

3



5-₹7 3 numbers

