Al x > 1 mask] if the output at any instant
I mark is wrong then award zero
Al 2 - I mark I if the nulput at any instant 2 - I mark I is wrong, then award zero 2 - I mark. I marks for particular output.
A2. Truth table - I mark
Expression for A - Imark
-el - B- mark
C - I mark
Civerial Aires I mark
Circuit diag I mark.
AD Fred and when the V - local
A3. First expression for Y - Imark. Simplified expression - Imark.
Simplified expression - I mask,
B1 1 mark For each correct output.
B2 (N2+ON+5)- (4N+0) = 5N+5 = 2 mark
$N=9 \implies 2 \text{ marks}$
B3 Identifying the inputs at NOR gate => 2 marks.
Output of NOR gate is I -> I marks.
(mares.

Identifying that actual inputs 2 mosts. of addex (110,101) & co=1	_
of addex (110,101) & Co=1	
Final answer (3=1 30=1 31=0 80=0=) 2 monts	
C1: - Pruth Table: - 4 martes (0.25 to each row)	
/	
2-Kmaps: - 4 marles (2 marles each)	
K. map expressions: - 2 marles (1 mark each)	
	-
Nond gate expressions: 4 marks (2 marles each)	tor to young
O .	
Circuit :- Imark.	en en en en en
22: - Truth table: 2 marles.	-
Light to expressions: - 3 markes (1 mark each	1
, and any carry	+
3:- 9) K-map 2 marks	
expression mark	
b) 1 maxt P word o	
b) I mark for every 3 minterms.	
a) k man	
C) K-map 2 marks	
Expression made	
	-