	Mare: - BREMDAN LUCAS BOLLHO: - 8953	
		Page No.
	D.3-U.T-1	Date
- Q_L	Ans: (D) - (dab.	
[9]	ARS - (D) CAAD	
	82, pop = C	
	b stiffer	
	6 81. pop = d 82. pop = b.	
	Stock 2 Stock 2	
	In no way it is posseple for a to come	
	Stock 2 Stock 2 In no way it is possible for a to come before b.	
(b)	(A) Lest implementation with on away	
	because with a position of it can be easily called as a [N-1]; as under is gos = 1;	
	called as a [A-I]. as in	lex is pos=1;
	,	
Q 2		
· · · · · · · · · · · · · · · · · · ·	State of Statk and queue stemend of first	
- A	while loop	
	stock: - So queue: - T	
	30 Em	ply
		7
2	20	
	Itate of Black and queue after and of second loop	
	stock 8:- grene: 50 40 30 20 10	
	stock 3:- grene: 50/90/	
-	emply	
4	777	

MAME: - BREHDAN LUCAS ROLL HO: - 8953 Page No. Date Q2 Cont. Final o.p:-50 ho 30 20 i.e. reverse of the queene Stock 1:- /x Stock 2:-(B) stock 3:-(() 236*‡98),/-/9+7* Dengly

HAME: - BREMDAM LUCAS ROLL Mo: 8953 Page No. Date 99 The linetations of the linear queue con is that even if there is empty space in the front of the opiene it connot be utalized This limitations was overcome using a lucale This was done using the mod operator!!)
The expense is

i = i ! (Lep of Among). Tyo So 10 30P (b) State of the cercular queue ofter the operations:

enqueue (10), enqueue (20), enqueue (30), enqueue (40)

enqueue (50), dequeue (), dequeue (), enqueue (60) 100 30 40 50 P rear. Front

MAME: BREMDAN LUCIS ROLLHO: 8953 Page No. Date 95 Write the iterative and vecurrine cock & Count number of nocles is Sungly LL. (i) I teration relhad. ent count-LL (LL * start) while (p 1= MULL) Court-LL (rock * p) P== MULL) retuen (17 count-LL (ponent)).

NAME: BRENDAM LUCAS ROLL No:- 8953 Page No. Date 96 Weite following methods that operate stack using Singly Linked Lights (i) fush (ele, Stock *head) hock & p. p= (nocle*) molor (Succop (nocle));

p > dela = cle.

p > hext = head.

head = p; pop (stock * head) II On rest page. noce * p;

p = & head;

head = p -> hext;

vetuen p -> clata

} (ii) is Empty (Stock * steet) vetues start == MULL. (iv) peck (stock * head) if (is Empty (head))

{ painty ("Stock is empty"); }

else

{ return head : I data; }

HAME: BREMDAN LUCAS ROLL Mo"-8953 Page No. Date att ("Stock is Fryster / Slock Claderflow").