	5	
Question Nos.		Marks Awarded
Q 2	1) Insertion at start	
	Algo insert start (SPARP.)	
	Begin &	
	1. PP AVAIL = NULL	
	PRINT ("No pode available memox	p)
	2 ELSE AVA NEWNODE = AVAIL and NEW	ODE - DATA
	$3 \cdot 19 \cdot 1$	- VALUE
	4. WHILE (PTR HNEXT != START)	
	SEP PPR = PPR -> NEXP	
	5. SEP POR -> NERXO = NEWNODE	
	6. SEP NEWNODE → NERXT = &PARP	
	7. SEP SPARP = NEWNODE "	
	8 REPURN SPARP	
	J'END.	
	Exemple: 1 b - 2 C + 3 a.	
	a b c	
	Swt Swt	
	Suppose I have the above circular linked	
	and P want to insert [0] . & Acco	ording
	to the agonthm pt 3, there will ptr	1
	variable that will traverse the dist	and
	as soon as it reaches the last node wit	
	next address as start, it will replace	
	with newnode address of and newno	
4 /	next with have address of first nod	le
	and we will set stort to new node	0;
	1 2 2 3 2 7	
	à - b C	
	SPARP.	
	Symt.	

prep. Par goes ahead and opty and PREP follow by keeping behind PPR. We traverse using POR and set PREP according Once we reach PREPoris on [31-d]. We change its address to start PPR

15

Question

Begin ?

END.

New Linked List

COART