Q3)			
	Infix	to Postfex.	
			D) ^ E) / (F - 6+H 3+1)
	Cu		D) VE) / (F-6+H +)
	Symbol (Stack.	Postfix.
	A		
	B	(4	A ·
	*	(+×	AB
	((+*(AB AB
	_	(+*(-	ABC
	D	(+*c-	ABC
)	(+*	ABCD-
	E	(+*^	ABCD -
)	,	ABCD-EAX+
			ABCD-EAX+ ABCD-EAX+
	l		

Question Nos.		Marks Awarded
	Symbol Stack Postfix.	-9
	E/C ABCD -EAX+	
	F {/(ABCD-E1*+F	
	- /(- ABCD-EN*+F	
	6 / (- ABCD-F1×+F6	
	+ / (+ ABCD-E 1 + F6-	
	H / C+ ABCD-E1+FG-1	1
	* / (+ * ABCD-EN*+FG-H	
	J AB, CD-E1×1-6-H	1
) ABCD-F174F6-H	上水十
		9
	July a discorp in . July	
	So the postfix expression is	
	1 0 0 0 5 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	ABCD-EVX+FG-HIX+1,	
	7 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	the trained out to receive the second	<u> </u>
		_
		2

TERING A Question Q2 6) CPreular baked Ust. Insertion at the Start. Set ptr = Start Stepz: Pt ptr = NULL tr = New node New rode - Start New node - next = Staze. Step 3: It Start l= NULL. 3+20 Explaination. who we port the head to the new node & tren popul the new nodes next par to the first node. this word

Question Nos.		Marks Awarded
02	b) (Preular Unked Ust.	
4_		2
	(1) Insertion at the start.	
	(1) Insertion at the start.	
	Step 1 ? Set ptr = mew Stast (Lead) Phoput n = data.	
	Phont n=data.	
	Step 2 ° Set new node v data = n.	
	hew node Thext = stur	
	& ptr = new node.	
	Step 4 % return Start	
	Example	
	Start	
	A STATE OF THE STA	
	Starting, miles	
	Step@	
	new prode	
	new proce	

Question Nos 2) Deletion of 10st node. Step (1) & SPt ptr = head Start Proput n = data. Step @ : if ptr = NULL print (" Ust is Empty") Exit. Step 6. Step 3: Else # ptv = Stort)

do while (ptv b= Stort) preptr = ptr ptr = ptr - next Step (4): pre ptr-snext=Start
free (ptr) Step 3: return Start Step 6 2 Exit.

Asymptotic botations.

Dig o of n.

O(n) : worst cose. O(n) represents the worst cose scenario le the algorithm ean't bake more than the than this case. maximum time the algorithm will take to sun. Highest time complexity big to Omega of n. Tr (n) & Best case. -U(1) represents the best case. Pe the algorithm/code won2+ take rothimum time / fastest algothmem can take. Lowest thre complexity eg while sorting it you already are green a sorted list. bige theta of n. O(M) & Average Cose. O(n) represente the average cose Te the algorithm will take any thre.