	NATIONAL INSTI	TUTE OF TE	CHNOLOG	Y STICHAR
		ASSAM, CACHER,	INDIA	
200	SUMPERS OF MORNEY			Conv
19/0	et North Pairle Miles	who is to well a	ton soft	209
	(310)-	13 * (3+A))x		
· 2007	LABORATO	ory Work : E	DATA STI	RUCTURE
		CS-211)	4
	3)	14209)	.02
	211	P05H)	-6
	A))) R	TECHO TITTO	SEM	L.
	A AM Com	PHIER SCIEN	CE AND	ENGINEERING
	88 +31)		8	3
4		909	1	-6
		H209	2	3
301	NAME: Subhojit		\$	-E
- *)+	Sch. ID.: 1912160	909	(.01
	94 9-)	17209	-	.11
*3		PUSH)	12.
G *3	-36)-)	76x1299	0	13.
ak.	1)-)	1209	1	.F1
3(4)	(39 1)-) -	74199		74 7 7
13060	36 -)	909		-6.2
-14042	ASA YTANA	909	1	.61
	(1) 1 (1) (1) (1) (1) (1) (1) (1) (1) (1			
	310-24	(8+A) 12	m-1 + 69	
	-130 *			

					//	999
*	EVAL	NOITAU	OF infin	and posts	fin Expressions	000
Q.			infix not			
			A+B) * C) -(6
->	Step		Action		Output.	-
	1.	(PUSH	(0
	2-	(PUSH	((
	3.	(PUSH	(((
	4.	A	PRINT	(((A	0
33.0	5.	de + 9999	PUSH) (((+	А	0
	6.	В	PRINT	(11)	AB	-
	3.)	POP	((AB+	T
	8.	*	PUSH	((*	A B+	1
	9.	\$ C	PRINT	oddelle 3	AB+C	7
	10.)	POP		AB+C*	
	17.	-	PUSH	(- 8	AB+C*	1
	12.	(POSH	(-(AB+C*	1
	13.	D	PRINT	(-(AB+C*D	THE CO
	14.		POSH	(-(-	AB+C*D	1
	15.	E	PRINT	(-(1	AB+C*DE	1
	16-)	POP	(-	AB+C+DE1	1
	17-)	POP	EMPTY	AB+C*DFI-	(T)
						1
	,	Ostfin for	(A+B)*	C-DIF		(1)
		is	AB+ C*			(1)
				-		-FE
						1
			and the same of th			(1)
						1

					_	/_/
6 Q.	Conver	t the giver	postfin	enpression	to infi-	notation.
•	* +	9 6	1B+C*			
->	Step	Input		n Oxx	Hack	Output
	مل	A	PUSH		20142	K
6	2.	B 21			.1	
9	3-	+8.22	POP	A P M	(A+1	3)
	4.	60 GL	PUSH	(A+B)	3.	
A A S	5.	COL	PUSH	(A+B), C	انر	
4	В.	1*2)	POP		((A+B)*C)
· 2 = H	29.		PUSH	((A+B) *C)	13/1	
9	8.	DE	POSHO	((A+B) *C)), D		
0	9-	E &	PUSH	((A+B)*C)), D,	E -2	
9	10.	168	POP9	((A+B)*C))	P D	IE
0	11.	3188	Push	((A+B)*()), (DIE	
3 3 3	12.	58	POP	EMPTY	(((A+B	1*C))-(DIE)
to		3,28.7	K-11209		3.81	
21-91	2:. I	in fin for	ABTCHDE	=1- is (((A+B) * C))-(DIE))
29		313	H209	= ((A+B)*C	-DIE
13- 15 0	1.2	YTIGME	909	+	21	
 Q. □ □ □ → 	EVAL	DATE USENG	F. 3, -,	TABLE (SIMP	PLE STAC	K TABLE)
→ →	IN				VPUT	STACK
-0	7:	2 12		71	5	3,2,1,5
100 160	-	7 125	4		+	3,2,6
	2	78,3	4,3		*	3,12
-	-	- TS			+	15
A		1 3				
			,2	:. A	nswer =	T &
		7 3	>,2,1			

Q.	EVALUT	ATF USING	STAC	KTABLE	(complex)	6
- 11		12,7,2	+ 3, 49	2,1,5	, + , * , +	
watud	CAN SE	TO AT	A CH	tugato	(Evaluation)	9
->	8teps	Input	Action	Stack	Output	_0
	1.	12	POSH	12	2	0
(2.	7	PUSH	12,7	2	0
	3.	3	PUSH	12,7,3	1	0
	4.) (SFR)	POP	12	7-3=4	0
(3 ×	5.		POSH	12,4	-6	0
	6.	- 0100	POP		1214=3	0
	7.	O (CO (8143)	PUSH	30	.8	-e
	8.	((2 (9+A))	PUSH	3,2	-2	9
31	19.	007419+00)	PUSH	3,2,1	.61	
	50.	1). (0,5 (A1)	PUSH	3,2,1		-
10)-((3)	1741)	VHM	POPT	3,2	C1+5=B	_c
	12.8		PUSH	3,2,1		6
(caia) -	13.+	9 33 \$ 1 -15	POP	A 3,6	2*6=12	
310-	14.		PUSH	3,12		-
	15	+	POP	EMPT		_
(3 1967		PRIC (SIMPL			LANTAN D	5
& -	4 34 4	10, 1.7A	nower = 1	5 24		-
1201		in T			1941° 600	-
2,12,8	9			2.1	21	5
3.6		1		<i>C</i> ,21	f	
24,		<u> </u>		2.9.11		5
57		<i>*</i>		P. B.L.	1	
				0.0	0	-
2	1 2 1 200	inth'				6
						0

		70,000			_/_/
Q.	Evaluate	Using TRUE,	Stack Tabl FALSE, NOT	e: , AND, TRUE, T	RUF, AND, OR
-	2)	_	A	Children and Market	Evaluation
	Steps	Input	Action	Stack	LVa (a 20) UV
	1.	TRUE	PUSH	TRUE	100 A
	2.	PALSE		TRUE, FALSE	ALL CONFETT
9	3.	NOT	POP	TRUE	NOT FALSE=TR
9	4.	1 de vale	PUSH	TRUE, TRUE	entral 12
0	5.	AND	POP	- Augges	T AND T = T
9	6-	100	PUSH	TRUE DO	DA OL
	7.	TRUF	PUSH	TRUE, TRUE	
•	€.	TRUE	PUSH	T, T, T	Commence of the Commence of th
3	9.	AND	POP	TRUE	T AND T= T
1	10.		PUSH	TRUE, TRUE	
K	11.	OR	POP	EMPTY.	T 0R T = T
-7.00		1996	so don the	we was	Cost Fac CT
40		·	Cinal Out	put = TRUE	TO WHEN END OF
•					100 m
•					
-0					
12					
5					