Name Sufiyar Ahmad Chaudhry Roll No: 06 PRN No: 50641920181162511002
Semester: 7 Branch: Mechanical Engineering Subject: Manufacturing process a Assignment 6: Po develop a manual part program q given composit on one miling part program Machine using pocket
Milling cycle. RID

Point	x-axi's	y-axis
Manage Service	The Arrest Hales	^
0	0	0
1	25	0
2	15	25
3	15	25
4	-15	25
5	-25	IS
G	-25	-15
7	-15	-25
8	15	-25
9	25	-15

Such Program.

NO 10	900	6174	690	20 40	Froo
No 20	901	6791	2-0.1	f100;	
NO 30	901	990	X25	40;	
No 20	901	X 25	415		
NO 50	0703	X 15	y 25	R10;	
No 60	6701	X-15	y 25	,	
NO 70	902	X-25	815	R10;	
NO 80	901	x -25	A-12	;	
	6103	x -15	y-25	R10;	
NO 90	-				70 - 10 10

y-25 j X 15 6701 M100 X 25-0 y-15 R10; GOI MIIO 45 9 601 X 25 N120 XO 45; 6701 N130 yo 401 N140 M99 NUSO Explanation Mob - Tool Selection TOI - TOOL OI Mo3 - Spindle on (clockcoise direction) 51000 - Spinde Speed and - Rapid Reannese
Group - Beting Work of Offest 1 (GIS4 is used in Sub program) 490 - Absolute Cordinate 2040 - Centre q Work piece Froo - Reed. G43 - Height datal is set in Tool

Gus Hol > Tool length componsation of the not hol -> Height datal is set in Tool or 750 - 50mm gap between tool and work finear interpolation Feed is 100 \$100 m Coolant on 1908 -General pocket Miling cycle (4) -> willer radius Compensation

tool pase is dockwise). P10005 - Calling Sub-program Looos

P10005 - Calling Sub-program Looos

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X0 40 - Depth of Cut

Party 2erd

Z-5 - Total dept -5 (Because

Started with ZI)

RI - Retraction an Cheeause - Incremental cut on y axis

(reates covity)

in y-direction)

- finishing allowance RI - Retraction J6 Tool diameter data is 120.05 -001 un Doffset. cutter radius compensation off Set 440 -Coolant off Spinde off W03 -MO5-Reset the program. M 30 -