Name: Sufiyan Ahmad Chaudhry POII NO : 08 PRN NO: 50641920181162511002 Screstes: 07 Brach: Mechanical Engineasing Subject. Manufacturing process III Assignment 3: To develop a manual part

program of a given component

an CNC lathe using Stock removal cycle. Part Drawing " ₹ -30 - P 4 = 30 System (Gao) co-ordinate Absolute Z point(p) 0 0 10 0 10 -20 30 -20 -40 30

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-03

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		THE REAL PROPERTY.
Dart		=
part pr	rogram	E
01010		=
NIO		2
N20	G190 G196 G121;	20
	M07;	=
N 30	TO101 5500 FO.8:	-
N40	,	
NSO	(20)	
N60		an Cook
N70	, , , , , , , , , , , , , , , , , , , ,	0.2 LO.8
N 80	GOI X10; GOI 2-20;	
N90	G101 X - 30;	
NIOU	Gol 2-40	
		8-1
NIIO	G70 P70 Q100;	9-
N120	400 X50 Z100;	- B
N130	Mos Mod;	XI
N140	M03;	•
		11-00
Explanati	6:	8
01010	- Program Name	8
690	A LA DOOD DOOD CILLO	m (
996	- Consant Surface cuttin	of Speed #
	- Metric conversion sys	tem
921	aide on Conclewire	Cin round
M03	- Spinde on (clockwise directi	onj
Mo7	- Absolute programe system - Consant Surface Cuttin - Metric Conversion System - Spinde on (clockwise direction) - Coolant on (Mist Pype) - Tool ol and offset	no-01
Tolol	- 7001 01 and orrec	

7001 01

Tolol

Spinde Speed 8500 - feed nate F0.8 Rapid Traverso 6,00 origin of part 3 XO 20 - Stock Removal Cycle (lanned C171 - Depth of Cut
- Retract value
- Starting block
- Ending block U R P 0 - Material left for finishing - Material left D for finishing i 2-axis W overibed feed rate both Pand Q. linear interpolation 401 finishing after Spindle off C170 MOS coolant off M09 Reset the program Mp30 3