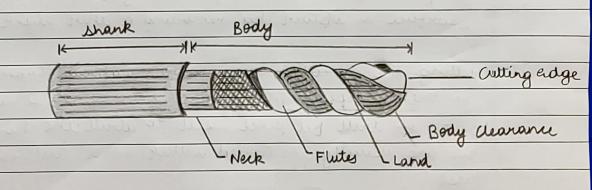
Name: Paugat wingh Roll no: 16010121045 Batch: A2 Assignment 1 Machine shop Draw a reat sketch of Lathe machine 4 label its parts. 91) Ans) Tailstock - Hardle Knob give breit information of dathe operations. Q2) Eacing: During machining, the length of workpeices is slightly Ans) longer than the final finished product. Eacing is a comman machine process which windres the use of dathe for milling machine to vienous material from the dens or shoulder of a workpeice. The tool nous along the radius cot the workpeice to produced the desired part length in the smooth face surface is obtain by venouing a thin layer of material. Drilling: The isperation memories the material from the inside of the mortpeice. The reading of the hole is equal to the Isize who drill but piece used to will the shole. The drill bits are usually positioned either on a tailstock or tool rest. FOR EDUCATIONAL USE Sundaram

Twining: Twining is a machine process where in we oremore
the excess metal throm the outler diameter of a violating
cylindrical workperse. It is igenerally used to ruduce the
diameter of the workpiece, usually to a specified dimension
be to get the final smooth furshing.

Groowing: As the name suggests, it is a process in which we weate grooms along the outler surface of the morkpiece. It is done by using a groome tool which reduces the diameter of the morkpiece along a very narrow surface. Often done adjacent to a shoulder to leave a small margin or at the end of a thread.

chambering: The iprocess in which we get a benefied surface at the edge of cylinder workpeice. This operation is idone in case of bott end in shaft ends chambering thelps to avoid damage to the sharp edges. Chambering of botts helps it to ifit easily in the next, it also protects the worksmith from getting thurst while working or the workpiece.

(93) Draw a neat sketch of thist drill and show its parts.





94)	List who machines available in our collège morkshop.
	The machines in our college machine shops are:
	. Kirloskar mark lathe machines
	. Parmer Marke Lathe machines
	, ledestle grunder (10" sire)
	Bench Gunder (6" wheel sire)
5	. Shapping m/c (18" stroke 4 24" stroke)
	universal milling m/c (with a without wertical attachment)
	. Pillar type drilling m/c
	, bensiture duilling m/c
	. Tool cy rutter grunder
	pomder sam (12" blade)
	single spindle lathe
	, surface grander.
13	Bench ince (6" sire)
Q5>	white down the safety precautions while working in machine shop.
And	The precautions are as ifollows:
	Almays wear proper safety equipment ilke glasses, bace shellds,
	igious, approns and other measures before morking ion any
	machine.
	maintain a proper discipline, do not fool or vuin around the
	whop. A
	maintain a safe idistance from the machines you are not
	morbing ion.
•	Always the your hair.
	so not wear loose fitting clothes or jewellry.

	check the tools for any websets or maulfunctioning before
	using them.
•	Never mork valone, almays mork under the supermision of
	an unstructor. De not viest against a machine.
	Keep your surrounding clean, neat and organised.
	Always vieture the took to thier original splace lafter completion
	of work its avoid any mishaps.
	Always suntch off or unplug the machine waster the
	completion of mork.
Q LC	
144	The second secon
<u>Sundaram</u>	FOR EDUCATIONAL USE