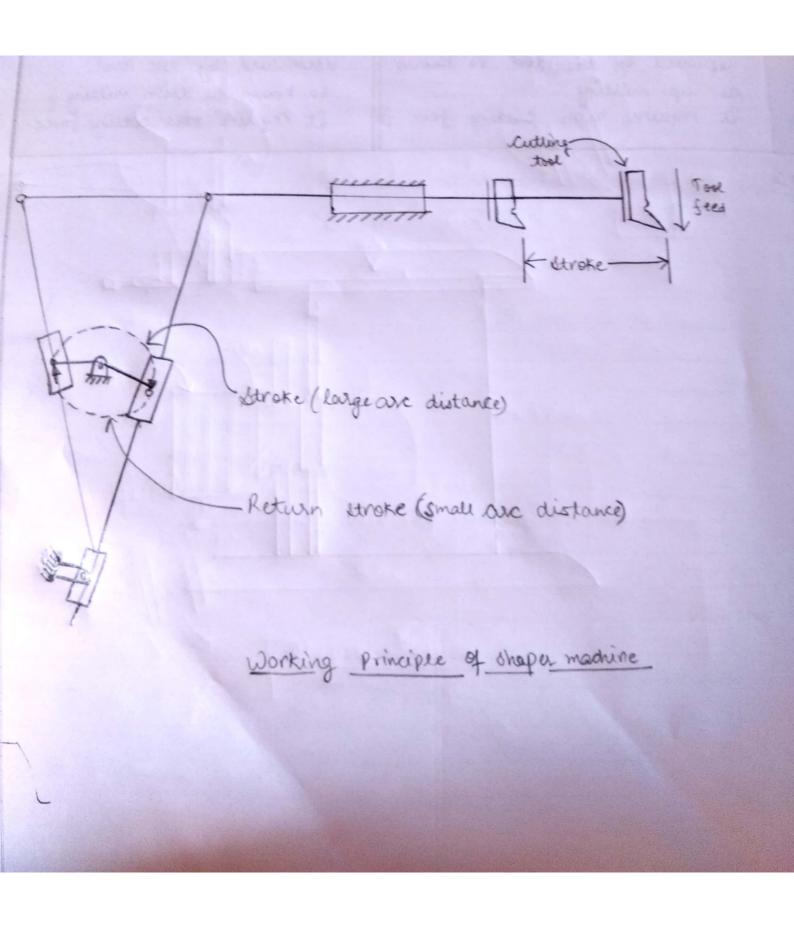
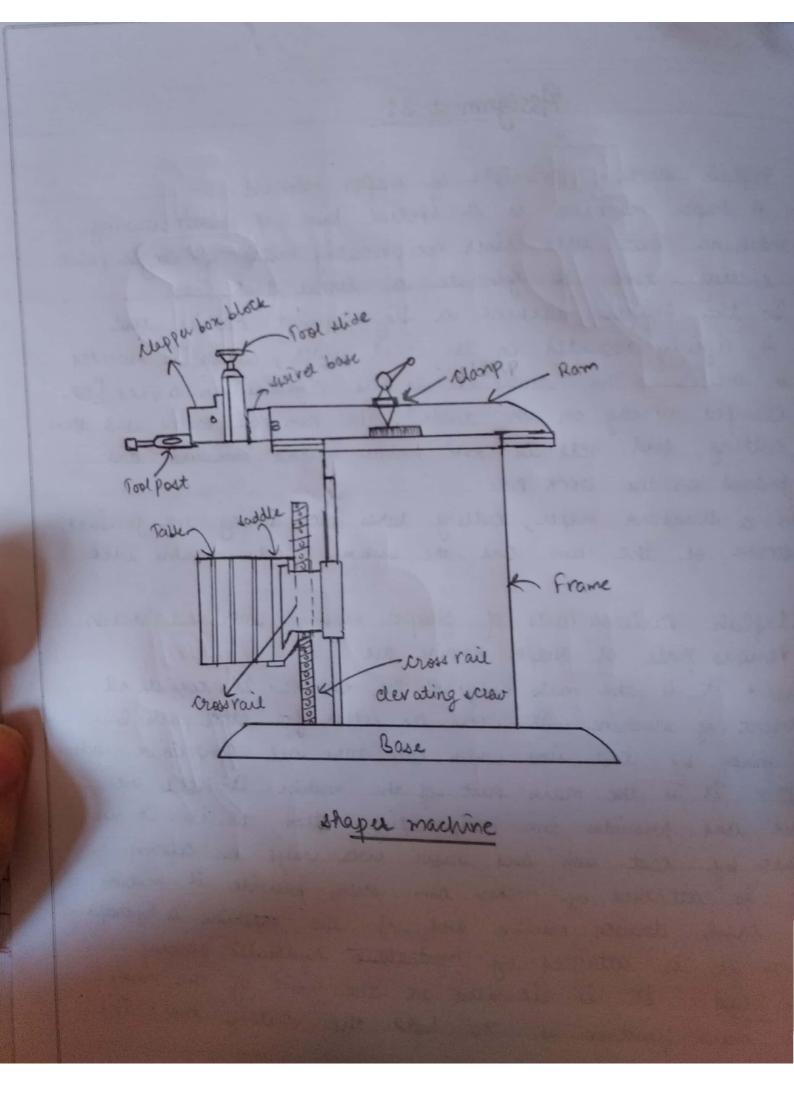
Teacher's Signature ____

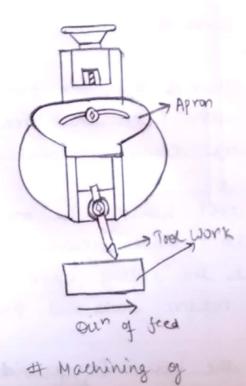


	total can be adjusted on it by some of clamps.
6	Pable: - It is the metal lade attached asset to be
9	Make: It is the met at body attached over the frame. Its
	their function is to hold the work piece and like order it.
	It has two T slots which used to clamp vice and work.
	piece oue at.
(2)	Chapper box: It carries the tool holder. The main
/	function of clapper box is to provide clearance for
	tool in return stock. It prevents the cutting edge
	dragging the work piece while neturn stock and prevent
	tool wear.
(i)	Column: column is attached to the base. It provides
1	the howing for the wank slider mechanism ine stide ways
	attached upper detime of Advance which the springer
	are attached upper section of column which provide path for me ram
(6)	motion ?!
VIII	cross ways: It consist vertical and horizontal table siderays
	which allow the motion of the table. It is attach with
	some tras movement mechanism.
(viii)	stroke adjuster: It is attached below the table. It is used
7	to control the stroke length which further controls the
	van movement
1	Table supports: These are attached front side of the stable.
	who used to support the weight of table during work.
Dai	
40	Why clappes box is used in shapes machine.
101	It carries the took holder. The main function of
+	Why clapper box is used in shaper machine. It covories the took holder. The main function of clapper box is to provide clearance for took in return
+	
1	Teacher's Signature

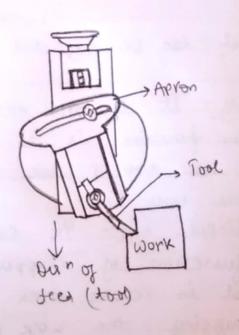


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stock. It prevents the cutting edge dragging the work piece while return stock and prevent tool wear
shapes machine with diagram?
ins various operations performed on a shaper machine are-
Machining horizontal surfaces: It is the most normal every common every common every contact direction.
under the reciprocating tool and the surface produces is horizontal
Let's
Machining Vertical Surfaces: A vertical cut of make the surfaces of 12000k piece, squaring up a block of
machining the End of a workpiece, squaring up a block of cutting a shoulder. A side cutting tool is set on the tool post cutting a shoulder. A side cutting tool is set on the tool post
and position and length of stroke are adjusted.
Machining angular surface: In this operation, an angular
machining angular surface. In the horizontal or to the last is done at any angle to the horizontal or to the
victical plane. The work is set on the table and vertical
violital plane. The work see solvelled to the required angle slide of the tooth head is swivelled to the required angle
Either towards the left or towards right from vertical.
position. En machinina irregular surface, a
Madrining irregular surface: For machining irregular surface, a madrining irregular surface, a shallow cut the apron may round nose tool is used for a shallow cut the apron may be tool is used for a shallow cut the apron may be tool is used for a shallow cut the apron may be tool is the shallow cut the sharp, the
round have the
be set vertical but if the curve is full away from the apron is swivelled towards the right or left away from the
apron is be lut.
outling slots and keyways: with suitable tools, a shapes

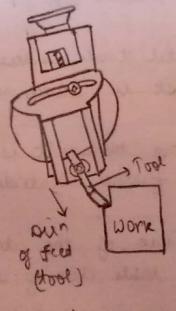
Teacher's Signature

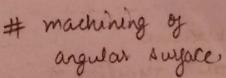


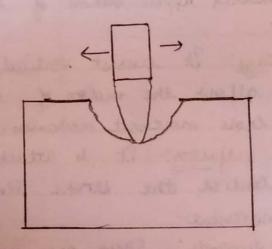
horizontal surface



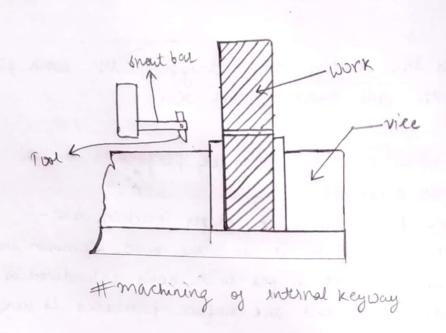
machining of vertical surface.

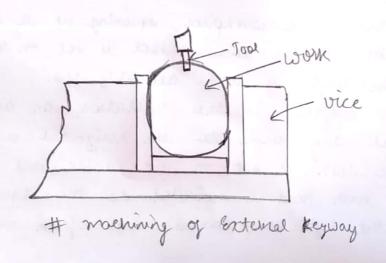






machining irregular surface





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	can conviently machine flots of gerooves on work or cut extunal keyways on pulleys
	of alars.
0	namining splines of rutting George. This type of operation can be done by using an index centre, illustrated in a
	year of equality spaced spaced wind a spline is cut similar
	to the cutting of a keyway.