Nane: Pargat singh Roll no: 16010121045 Batch: A2 Assignment 1 Eitting shop co, : Build an object using Eitting trade as per giver specification write down the answers of following questions in two three sentences Q1) a) what is Debarring? Debarring is a material modification process that removes sharp Any) edges from the material and leaves is north edges. It is comman-- by performed on machine operations. b) For what purpose Trust drills are used? A trust drill is cutting tool that is used ito create holes in the work peice. It was weate holes in wood, plastic, metal, PCB, to what are the three filling nethods used in fitting shop? The methods are as follows: Cross filling: It is the most common method which is carried out across two diagnos, to produce medium surface ifinish. It is used wher large amount of metal is to be viernoued. straight futing: when a short length of more perce is used to have a that surface, straight ifilling is used. Draw filling: It is done to get a finely finished surface. It produces a smoother finish than istraight filling. A smooth or dead file is utilized for this yob. FOR EDUCATIONAL USE Sundaram

explain in breif with habeled diagram what is Hack Saw? 92) Types of frames, types of blades a use of hack saw. Adjustable Adjustable Seven Frame Haralle Ans> L Cutting Teeth L Wing Nut - Blade a screw Fig: Hack Sour Hackson consister of a frame which holds a thir blade, fring in position. The blade has a number of cuting teeth. The number of teeth per 25 mm of the blade length or teeth per inch (TP) is selected on the basis of work material cy thickness being cut. The teeth of the hacksaw blade are staggered as wa shows in bigure which is known as set of teets. These make the islots widder whan the blade whickness preventing it from farming. There are two types of frames: Eixed Hacksam Evame: For making this type of hacksaw frame, one peice of blat wor strip or pipe is bent at a right angle. In these types of Hacksow frame, only hacksow brades of a specific sire can be fixed, not of short sire or long wire Sundaram" FOR EDUCATIONAL USE

	Adjustable Hacksaw Evane: In this type the structure is a ibit
	diffrent from a fixed frame. The frame is made in
	two pourts. This parts can be adjusted at idifferent distances.
	Therfore in its adjustment at diffrent distances. Therefore
	is blades are not diffrent sires.
	Types of Blades are as follows:
	Course Grade Hockson Blade: Hockson blade of this grade is
	used for cutting thickness of mildstell, copper, aluminium &
	brass, etc. It contains 14 ito 18 teeth per inch.
	resummer the land of the order
	Au Hard Blade: Blades of this nature are hardered by itempered
	only except the ends thating holes. There are used for
	cutting articles cast wor or mould vior, etc.
	Elexible Blade: in iblades of itrus nature only itre cutting teets
0	and nearly part of it is hardered by tempered.
	and hearing from of at its in the and of works and.
	and the law of the state of the
	Uses of a Hack Saw Blade is as ifollows:-
	which is the control of the body by a chart of a
0	It is used for cutting metal pipes, rods; brackets, etc
•	Hacksamy can well also cut through plastic.
	They were used for cutting PCB boards to perfect dimensions.
•	eumbers, woodsniths, electricians and many where used trans
	for narious itasks which involves cutting.

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Q3)	List the cutting tools, measuring and marking tools used in
	bitting wrop.
The second s	and the state of t
And)	Cutting Tools used in bitting shop are: -
0	Hacksaw
	Eiles
	Chisels
0 000	Trust Drill
a Maria	exproctory
	Measuring Tools used in fitting shop are: -
portion	Verrier Calipers
	screw gauge
•	Deptr micrometer
	Steel Ruler
direct to the	Dill gauges
	and the provide of the second
	marking Tools used in fitting whop are:
•	try square
•	Divider
•	marking Table
	Combination set Universal soubing block
Marsin.	universal souting block
and July 1	
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Q4>	what is the use of files in morkshop? explain in breit the
	types of files according to size, shape, grade cy cut in files.
Anu)	Eiles are used for ibinishing purpose in the morkshop by the
	process of ifilling. Eithing is one of the methods of tremoung
	small amounts of material from the surfece of a metal
	part. A bile is a nardered stell, having islant paralle
anna	nows of cutting edges or teetr on its wurface. On the baces
	the teetr are usually diagnol to the edges. One end of the
	ifile is shaped to jet into a mooder handle.
Dim on A	and also the heads his mild and the company
	Types of biles are:-
٥	Handfile: Rectangular in section 4 tapered in thickness but
- Du	parallel in winder. The faces warry double cut teeth and one
Ser W	of the edge single cut. The other edge, known as safe edge
	does not have any test of viene called sabe edge.
	used in billing a surface out rught angle to an already
	finished surface.
	Erat file: It is vectorgular in section by tapered for 1/3 lengtr in
	under he trickness tomards the tip. The boxes carry double
ises by	cut teetr by edges carry single cut teetr. It is a
	general purpose ville.
hours	square bile: square in section en carry double cut teetr on
	our faces. It is tapered for 1/3 lof its length towards
	the point. It is used for filling corners, slots and
	keymays.
	Three square file: triangular in crosssection (4 tapers itomards
210	the and tip. It carries double cut faces cy sharp edges.
	used in ag angular hole, vicesses and sharpening.
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0	suiss or Needle Eile: 150 mm long with double cut teets
· Cily gr	used for willing corners, groones, narriour stats, -
	etc.
Q5>	Crepare process plan for performing the fitting sob with -
	help of points given below.
Ans)	Job Title: To perform the fitting job for the job drawing -
روا دامه	giver.
	Material Used: One mild-isteel sheet cut into piece of 50x50 mm -
	in duninsion.
Ve descri	The state of the s
The base	Tools and eignipment: Hacksaw, Eiles, Dot purch, centre purch,
76 100	steel vuile, Try-square, burch-uise table, hanner
	Operations: Eilling, Right Angle Making and Saming.
	Procedure:
the de car	The piece required is wheeked for its dimension.
_•	Adjacent edges are filled to straightness and are checked untr-
	try square.
5.120	wet chalk / marker is used ito mark one side and is dried -
4	for making.
75.00	lines are marked vaccording ito the ifigure.
•	centre is marked according to the figure
	excess material is cut off using saw from running edges -
•	Evially all parts are and oremoved by filling the surface of
	the job.
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	Job Drawing:
	* * * * * * * * * * * * * * * * * * * *
	IS IS
	25
	48
	48
	Ti T
	Accuracy - ±0.1 mm Raw Material Dire 50 x 50 mm
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