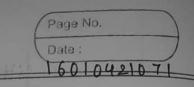
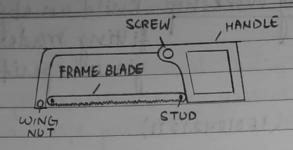
Page No. litting worksnop- Build an object using fitting made aspu given specifications. tiral Patel (16010421071) FY IT G3 Write do non the answers of fellowing questions in two-three sentances a) runatis debarring? Ansmer: It is a material modification process that removes shorp edges from the material and leaves smooth edges the commenty parfounced en machine-eperations. b) for minat primpere truit drive one need? Answer: Thuist drive one also called net mist bits. They one strong enough to mt through anything ranging from wood and placent to steel and convete. They are generally made from M2 high speed metal." c) mulat are the three fitting methods used infilling enop? Answer: The three filing methods noed in fitting shop ome as feulome: · v'es fi ving. · drow filling. · lathe filing each method has it's errin prupose and a method to carry ent Enplain in brief mith labeled diagram unat is hacksom? Types of frames, types of blades and use of hackson?



Answer:



## Hackson.

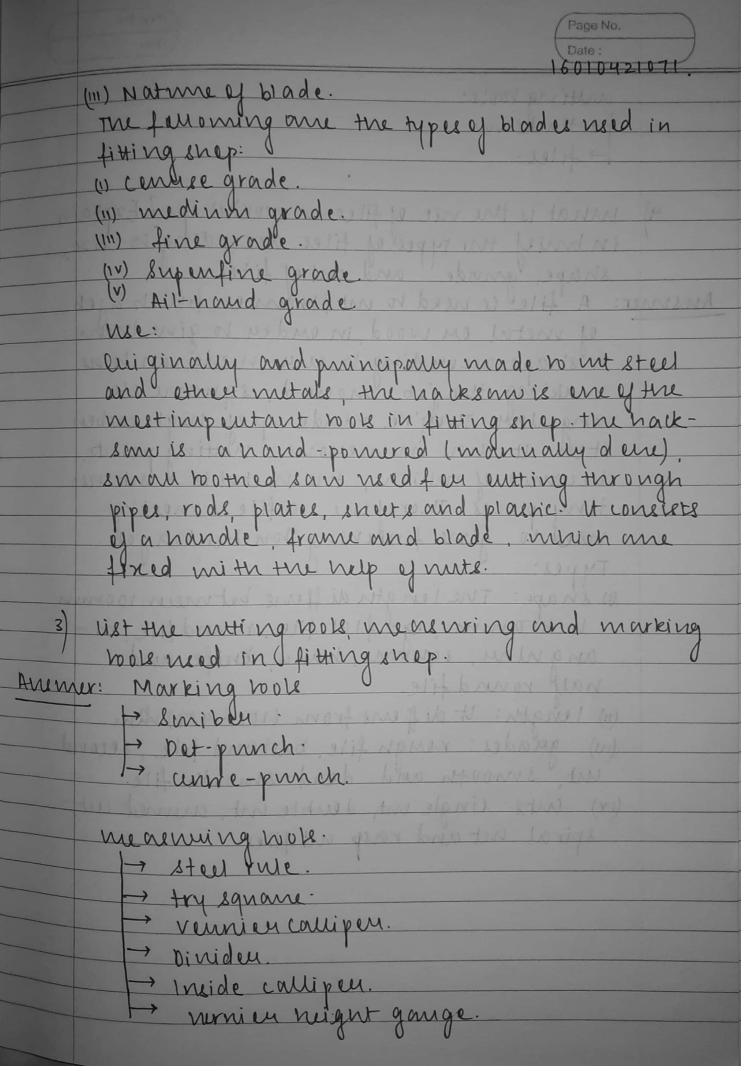
frames: By shape, the frames look like the letter "C". One end of the aume has an handle attached, while the ether is fixed with a pin. A pin, each is fixed handle and stiding surew itself in which the blade is fixed. The nacksom blade is fitted on three pine and then is tightened accordingly with the nelp of "ming-nut." Mainly, the hackson framés are of etypes: (1) fixed hackens frame

(11) Adjustable hackens frame.

Blades:

In ouden roput pipes, rods, plates, sheets and other materials; varriens blades are used in order to get smoother and deaner ints. There blades are used in audeur get either made mith tungsten steer in night speed steel and then, they are handered and tempered. The dausification es blade is derre en 3 major points: 11) size y blade.

(11) my numbereg dents-inte en blade perinch.



Hackson

in brief the nee of files in workshops? Employing in brief the types of files according to size, shape, grande and enter files.

Answer: A file is need to unt, trim en finish a jeb

of metal on wood, in end ey to give them
a shape accending to one needs such as
making the jeb mound, square en

angular. They're made up et high earben
sted. It has meneyons witting points
because of which, the metal is untimb

timy pieces. Therefore, a file is meetly

need to give finishing bouches to a jeb.

Types:

w shape: The length diffens between 100mm to 400 mm, eg-flat file, round file miangular, square, hand knife and hard round file.

(11) length: It differe from (100-450) km.

(iii) gerades: rough file, bout and file, second unt, smooth and dead-smooth file.

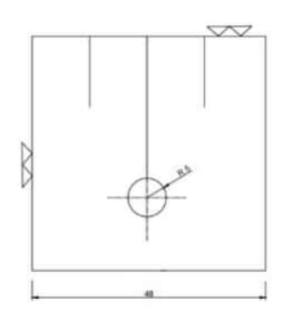
(v) cuts: single unt, deuble unt, arened cut, spiral unt and rasp unt files.

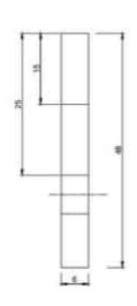
## K.J. Somaiya College of Engineering Vidyavihar East, Mumbai - 77

## JOB SHEET - FITTING WORKSHOP (Q5)

NAME: HIRAL PATEL	ROLL NO.: 16010421071	BATCH: IT G (3)
NAME OF THE EXPERIMENT/J	OB: filing right	angle making so
TOOLS AND EQUIPMENTS:	Hackson tiles	det-punch centre
punch steelride.		
hammen.		
	•	
RAW MATERIAL:	tel sheet cut is	un piece ej:
dimensions -	> (50x50) nm.	
- quantity-	I piece.	
PROCEDURE IN BRIEF:  4) The piece acque  DNL.	nived is inecked!	fen ité dimensi-
(1) Adjacent edge	e ame filed to so	traightness and
(111) wit chark mi	nukey is used to	mark une side
and is dried for	actording h	and punch.
(r) centre is mou	iked mith det ar	ad where punch
(vi) Excess material	al is ut eff noi	ng saw from
(m) finally all	onts are numer	ned by tiling
the surface of t	ne jeb.	
use: <u>Minally carrie</u>	ed cut to ebtain	material like:
conclusion: filmy y the pieu, ey material is	right-angle mo successfully den	uking and soming

## OPERATIONS:- FILING, RIGHT ANGLE MAKING & SAWING PRACTICE





ACCURACY:- ±0.1 mm	RAW MATERIAL SIZE 50 X 50 mm (1 NO.)
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YEAR: 2021 - 2022	ALL DIMENSIONS ARE IN mm	CONCEPT BY: SSS
SEM; I(FE)	ACCURACY AS SPECIFIED	DRAWN BY: RAJESH PANSARI
SHOP: FITTING SHOP	SCALE: N. T. S.	APPD. BY: M. A. PALSODKAR
JOB: FITTING PRACTICE	K. J. SOMAIYA COLLEGE OF ENGINEERING, VIDYAVIHAR	
JOB NO.: F1		