Rellno. - 16010421065 Branch-IT G3 Fitting shap Assignment Ol Ans al Debarring - Debarring is a material modification process which removes sharp edges from the natival and leaves smooth edges. It is commonly performed on machine appractions. b) Twist drills are used to put a hale in steel, wered ar other non-ferrous naturals. They are notary cutting teals that normally have two cutting edges and 2 flutes which are growines formed in the bady to provide cutting his to permit the remaral of their & to allow coolant or cutting fluid to reach the cutting action. c) The 3 filting methods used in fitting shop are i) (ross filling - This technique invalues pushing the fill across edge of por material It can be used for finishing shaping an sharpening.

ii) Draw filing - Used only for finishing and only with pieces of material, such as wooden chair legs. 82 And Hackson - A hockson is a hard powered, small touthed saw, used for cutting metal pipes, rods, brackets etc. That can also cut through plastic. The hacksaw has a U-shaped frame and a handle at one end. It has a small pins at each end of the frame that reviews a blade. A Jensioner nut or knot is Ther used to entend the length of the frame which puts tention on the blade and locks it in place. The blade can be installed to cut on either & puch or full strake.

Name - Tanui Natu

Name-Tarni Natu classmate Rall no. - 16010421065 Branch - IT Gr3 Frame ← D handle Stade Kins & black Tersianer knob Hackson Use - Hacksaus are originally & principally made for cutting metal, but can also cut various other materials such as plastic & made. Eg. Plumbers & electricians often cut plastic pipe and plastic conduct with them. Types of hacksaw frames i) Fined lacksow frame - In this type top backsow frame, only hacksow blades of a specific size can be fined, not of where size or long size. Two types of hardles are used - straight hardle, pistal type hardle. Adjustable hackens frame - The frame is made in 2 parts. These parts can be adjusted. Hence in this hacksaw, big & small blades of different standards can be used. straight, pistal type, tubular type and flexible are the types of handles used. Types of hackson Blades i) course grade blade - Used for witting thickness of copper, aluminum, brass etc. 14-18 teeth per inch 11) Medium grade blade - Used for cutting all kinds of metals such as cust iron, tool steel, high carban steel, brass etc. 20-24 teeth per inch. (it) Fine grade blade - Used to cut thin pipe; sheets, tubes etc. 24-30 dents per inch

Name - Tanui Natu classmate Rell no . - 16010421065 Branch - IT G3 duperfine grade blade - Used for cutting entravedinary solid metals & their metals. 30-32 dents per inch.

V Air hard blade - Vsed for cutting a cast iron or mould iron. vi) Flenible blade - Used for cutting this sheets, piper, curue etc. 83 Ars. Cutting tools used in fitting shop ard i) Hackson ii) Files Marking tools used in fitting shop are i) & Scriber ii) Dot-Punch iis Center-Punch Measuring touch used in jetting shop are i) steel rule ii) Try square ii) Vernier caujer iv) Dinider V) Inside calliper vi) autside calliper viil odd leg calliper viil Hors Vernier height gauge. QHAns. A file is a tool used to remove fine amounts of. naturals from a workpiece. It is common in woodmerking, metalworking and other similar trade & habby tasks. Most are hand tools, made of a cuse hardened the steel bar of rectangular, aguare, triangular or ruend tross-section, with one or more

Name-Tanni Natu Rell no. - 16010421065 Branch-ITG3. A narrow, painted tang is common at one end to which a handle may be fitted. Types of file according to shape -Flat file - It is how rectangular cross section shape This instrument is used to reduce flat surfaces by filing and finishing the workpiece. i) Round file - It has a circular cross section. Used for trusberg ar finishing keyheles of small dianeter. "I Half round file - It is found on side I curried on other side. Used to repair damaged hale. iv) square file - It is in shape of square & are found being tapered. v) Hand file - Used for filing internal night angle side of a job. vi) Krife edge file - Used in lack industry for making keys. Types of files according to grade 
i) Rough file - They have teeth of bigger size. Used in

cutting soft materials. ii) secret out file - It has medium grade. Used to bring

the jub in a proper size.

ii) Amouth file. - Used to get a smooth surface.

iv) Dead smooth file - Used to bring shine on job, once
the finishing has been done.

Types of files according to cut 
i) Lingle cut file - Used for hard metals as well as

for finishing. Double cut file - Vsed for cutting metal quickly. iii) Curred cut file - Used for filing of mide surface of doft metals like zinc, aluminium, copper etc.

Name - Tanni Natu Rallas - 16010421065 Branch - IT G13 deral cut file - Has teeth which are cut in round or semi round files.

as An -

try- Lquare

fibre, hard rubber etc

Types of files according to size -

week from 200 - 450 mm in length.



Job title - To perform fitting job for the drawing given Moterials used - One mild sheet cut into piece of 50 x 50 mm in dimension. Jools and equipments - Hacksow, filer, dot punch, center punch, steel rule, try square, beach nise tuble, Lannur

Operation - Filing, right angle making & sawing.

Precedere - i) The piece required is checked for its

ii) Adjacent edges are filed to straightness and are checked with

marker is used to mark one side & is dried for making.

iv) Lines are marked according to figure

v) center is marked with dot & center punch.

V) Rasp cut file - Used for warking in woods, plantie,

The size of file is its length. This distance is from paint to heel, without tang. Files feer fire work are

Job Sheet

usually from 100 - 200 mm and there for heavier

Name - Tarri Natu classmate Rall no. - 16010421065 Branch - IT G3 vi) Excess material is cut off using saw from remaining vii) Finally, all parts are renamed by filing the lurface Job drawing R-5.