

ASSIGNMENTSubject - Workshop Practice

Code: EWS-152

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Total marks: 20

Roll No. - 200106052Branch - ElectronicsDate - 22.08.2021

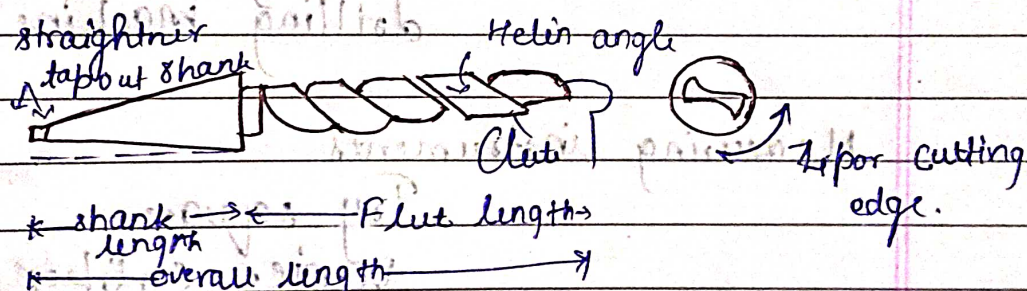
Princy Soni

(Student's Signature)

Ques-1 - Explain classification of cutting tools with diagram.

Various cutting tools used are -

Drill → The tool used for making round holes is called drill. It is made up of high speed steel containing 18% tungsten, 4% chromium and 1% vanadium. Twist drill is commonly used variety of drills and is made with two, three, four cutting tips.

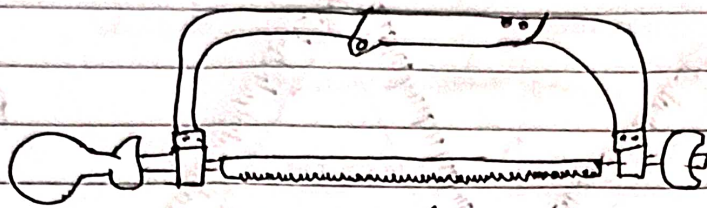
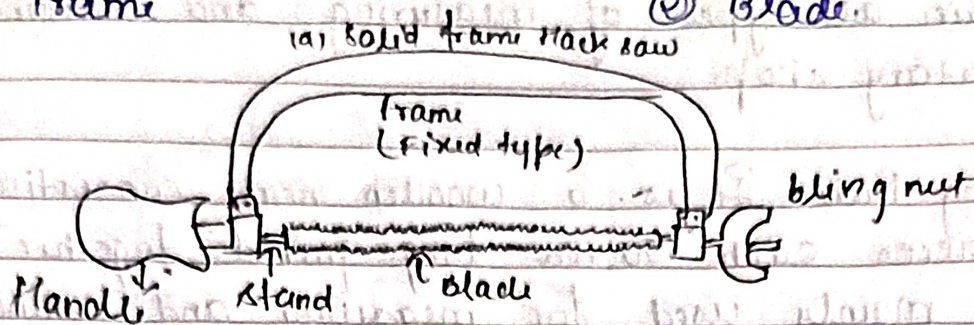
DRILL

Hacksaw :- It is used for cutting rods, bars and pipes into desired length. It consists of a metal frame, a wing nut & a blade. Hacksaw consist of 2 major part.

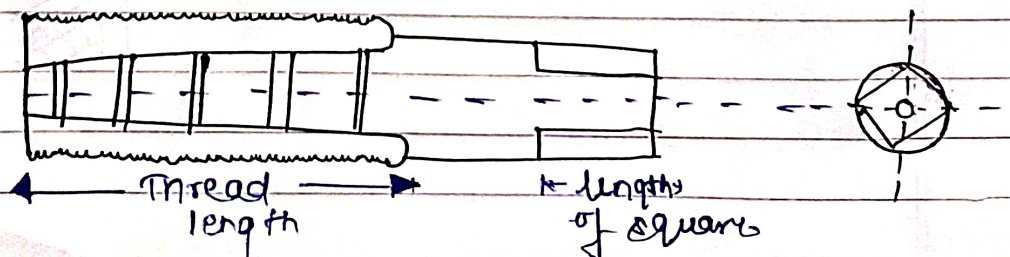
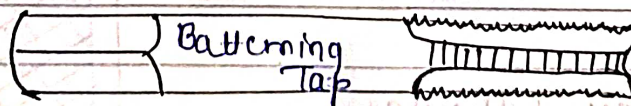
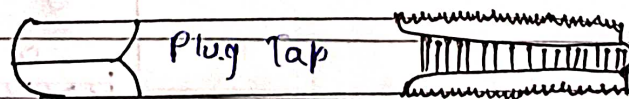
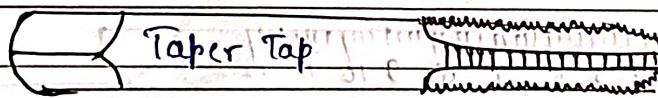


① Frame

② Blade



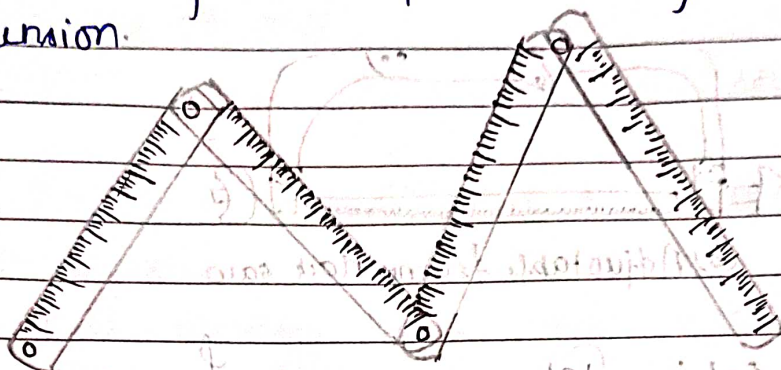
Hand Tap Set:- Taps are used for making internal threads into hole. It is inserted into the face of the hole at right angle. In hand tapping a set of 3 taps is used. Taps are made from high carbon steel or high speed steel. The shank of the tap is left plain and end is squared to accomodate the tap wrench.





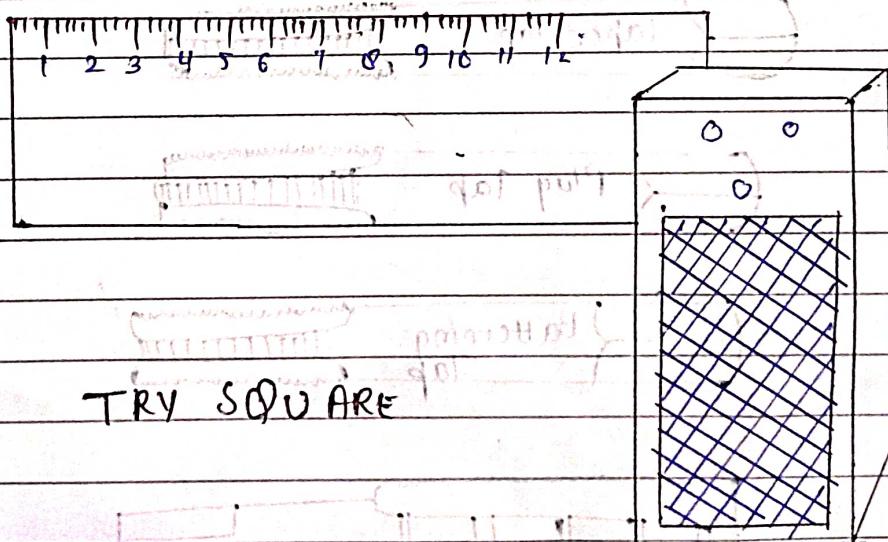
② Explain all types of measuring and marking tool of carpentry shop.

① Folding Rule: It is a wooden scale consisting of 4 pieces each 150 mm long joined together by hinges. It is mainly used for measuring and setting out dimension.



FOLDING  
RULE

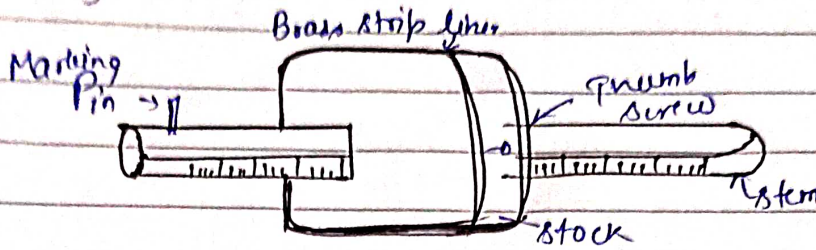
② Try Square → It consists of a steel blade fitted into a metallic stock at a right angle. It is used for measuring and testing of a plane surface. Draw parallel lines at right angle to a plane surface. Draw mutually perpendicular lines over a plane surface.



TRY SQUARE

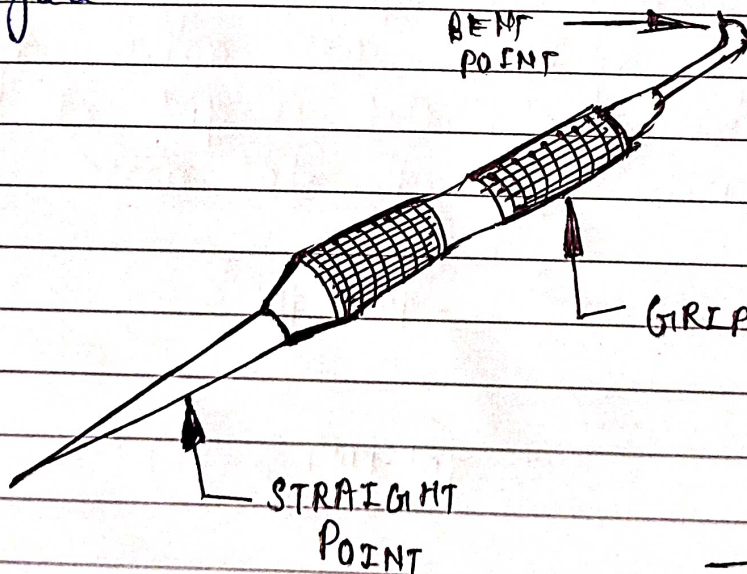


- ④ Marking Gauge → It is consisting of wooden items, stock of rectangle or square cross-section, & scribing pin as shown in figure. It is used for scribing lines parallel to a finish face or edge.



MARKING GAUGE

- ⑤ ⇒ Scriber → It is a steel rod having sharp point at one end. It is mainly used for locating & marking points and scribing lines on wood surface.



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