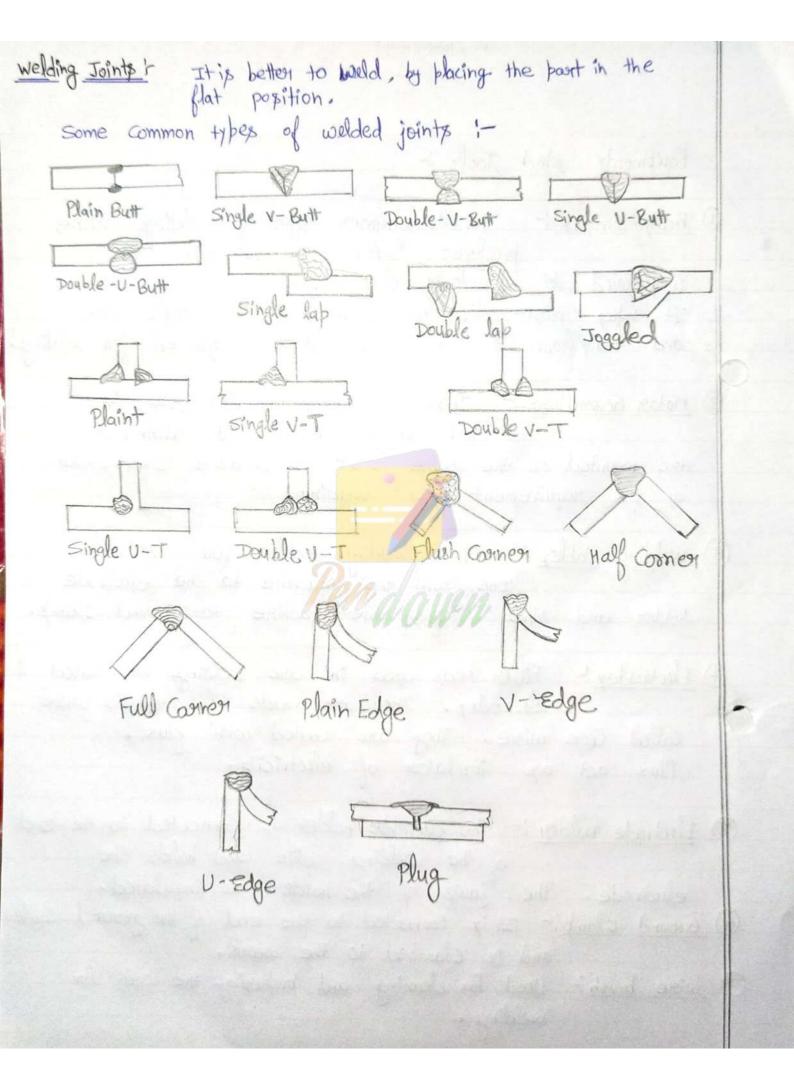
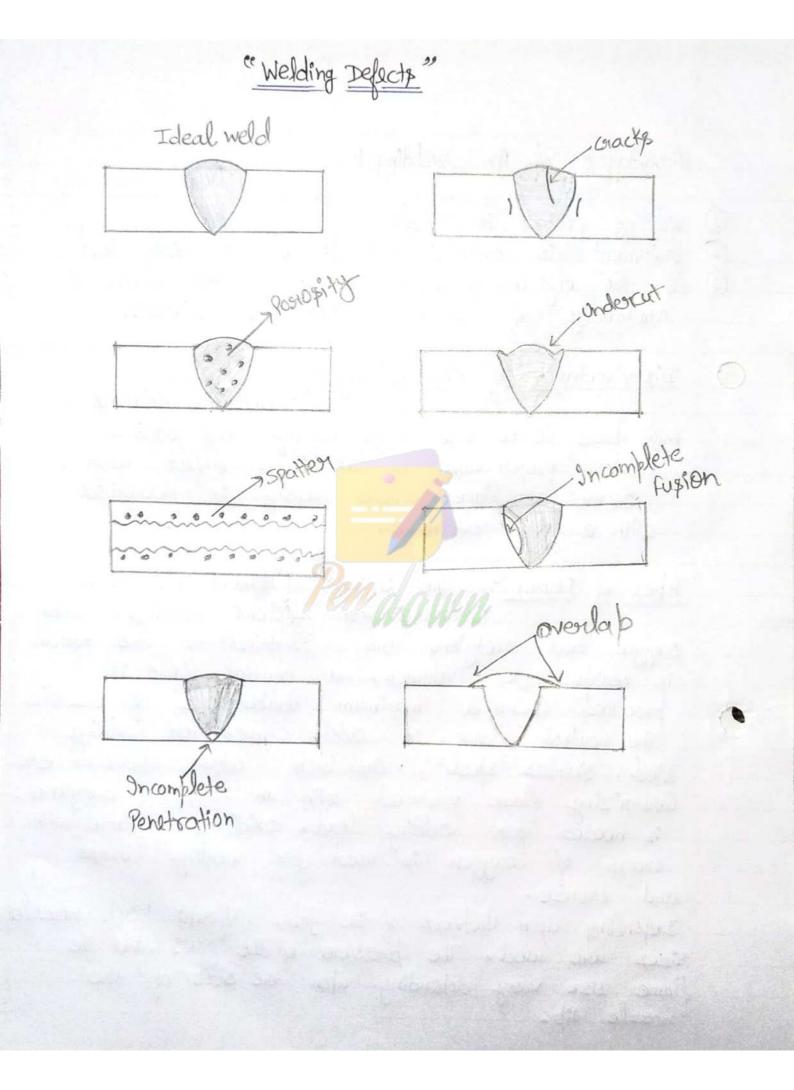
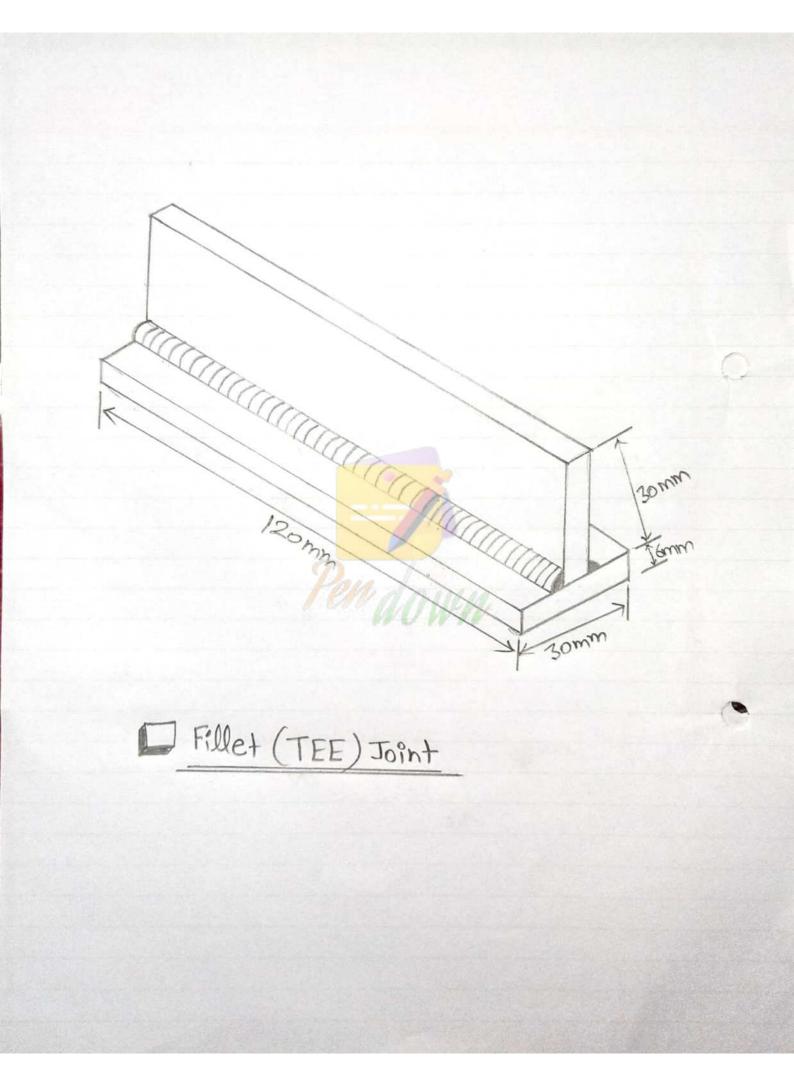
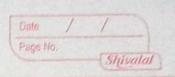
" ASSIGNMENT - 5" Date 65 /02 / 2012 Page No. (Shivalal "Welding" Introduction :-Welding is a process of joining similar on dissimilar metals by the application of heat, with an without application of pressure on filler metal, in such a way that the joint is equivalent in Composition and Characteristics of metals joined. It is extensively used in manufacturing industry, construction industry and maintenance work, replacing niveting and bolting to a greater extent. The various welding processes are:-(i) Electric dric welding (ii) Gas welding (iii) Thornit welding. (iv) Resistance welding (V) Friction welding. Anc welding: In anc welding, the heat required for electric arc. Triansformers or motor generator sets are used as and welding machines. These machines supply high electric currents at low voltages and an electrode is used to produce the necessary and. The electrode sorver as the filler and and the arc melts the surface so that the metal to be joined are actually fused together.









"Model" "Fillet (TEF) Joint"

Aim! To make a but joint on the given mild steel flat pieces in down hand by auc welding.

Materials Requisied !-

work piece: - Mild steel flat of size 123 x 30 x 6 mm (2 nots)
Electrode: Mild steel electrode 10 SWG (3.2 mm) - 1 no.

Tools Required: Steel stule, Tony square, Scariber, Hackson, Bence vice, Flat file, face shield, Tongs, where boush, Chipping hammer, welding machine and all other welding accessories.

Light of operations: 1 1 Measuring

② Marking
③ Fixing
④ Cutting, ⑤ Filing, ⑥ welding.
④ Deslagging, ⑧ Cleaning, ⑤ Inspecting.

Procedure: 1 Copy the given drawing in the work

2) cut the work piece as por the drawing 3) file the work piece on the welding table in daon hand position.

