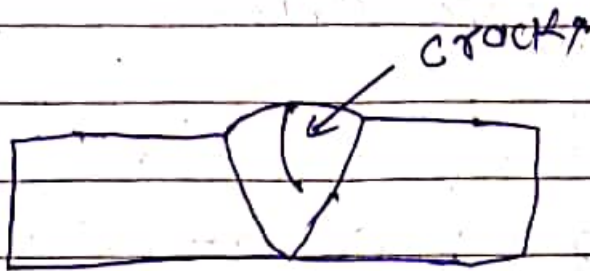


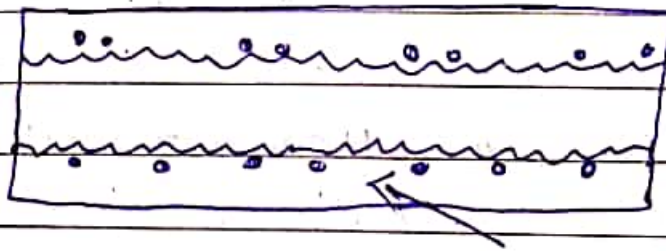
4.4 Defect are common in any type of manufacturing welding including in the process there can be deviation in the shape and size of the metal structure.

(1) weld crack -



Hot cracks. These can occur during the welding process of crystallization process of the joint the temperature at this point rise over  $10,000^{\circ}\text{C}$ .

(2) spatter:



Spatter occurs when small particles from the weld attach themselves to the surrounding surface. It is an especially common occurrence in gas metal arc welding. It's matter of how hard you try can't be completely eliminated however are a few ways