

Ques 3. Write the short notes on the following.

① Flux and its purpose.

Ans, welding flux is a combination of carbonate and silicate materials used in welding process to shield the weld from atmospheric gases. When the heat of weld zone reaches the flux, the flux melts and out gasses. The gases produced push the atmospheric gas back, preventing oxidation.

② Advantage of welding.

Ans ① No hole is required for welding, hence no reduction of area.

② In welding filler plates, gusseted plates, connected angle etc are not used, which leads to reduced overall weight of the structure.

③ welded joints are more economical as less labor and less material is required.