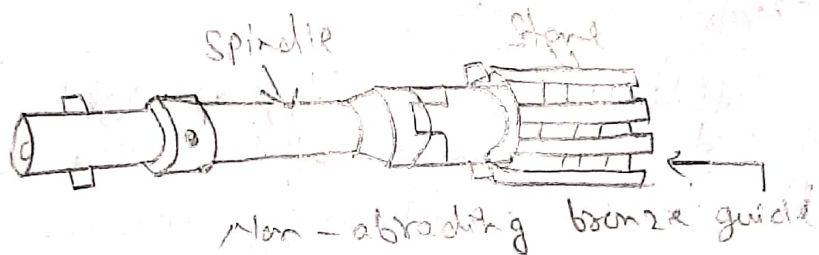


Section - A

Ans 2 Honing:- (1) Honing is an operation used primarily to give holes a fine surface finish.

(2) The honing tool consists of a set of aluminum-oxide or silicon-carbide bonded abrasives, called stones.

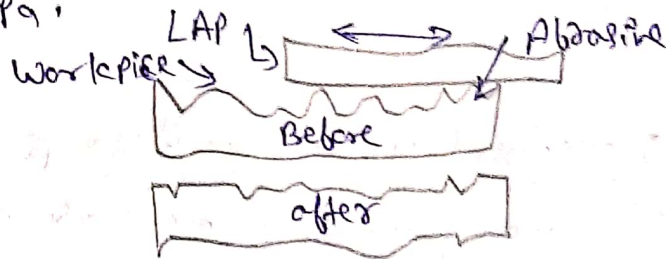


Lapping:- (1) Lapping is a finishing operation used on flat or cylindrical surface.

(2) The lap is usually made of cast iron, copper, leather, or cloth. The abrasive particles are embedded in the lap.

or they may be carried through slurry.

(3) Depending on the hardness of the work piece, lapping pressure range from $7k Pa$ to $140k Pa$.



Polishing :- (i) Polishing is a process that produces a smooth, lustrous surface finish.

(ii) Two basic mechanisms are involved in the polishing process.

(i) Fine scale abrasive removal and.

(ii) Softening and smearing of surface layers by frictional heating during polishing.

(iii) The shiny appearance of polished surfaces results from the smearing action.