· luesdars. Assignment No 3. Workshof. Jarth John 2x20/B17/33 Songing (Forging is defined as the uncontrolled plastic deformation or working of metal into predetermined shapes. Torging implies the use of powerful pressure from

a hammer or press on metal which has been

heated to its plastic range Jools & Equipments Used in forging, 1) Anvil -> llsed for supporting not job while hammerize is done for shaping it into various shapes 2) Swage Block -> lised for holding not bars dwing bending, support for functing holes I in a job & various holes 3) Tongs -> It as a holding deutce used to subport and grap the job while some operation is 4) Hammers -> Used to strike a tool or a job

Hardie -> It is filled in the hardie hole provided in the tail of anvil of has a culting edge at the top of body. 6) fullers:-> Lised for necking down to form dephessions 7) Swage -> Swage is used to reduce I finish to ordund, squarel hexagonal form It consists of two parts - top part with handled & bottom part with Square shank. 8) flatters -> Used to give smoothness and accuracy to articles which have and owages. by fullers holes in a job which is at red hot condition 9) Punch & Douft Drift is used toy punching in a job to expand or open for Jacquiate dimensions of hole. It is similar to glatter and is 10) Set Hammer used for firmsturing comers and shouldered work when Parth John the use of faller is inconvenient 2×20/B17/33

Tonging Temperature fozza Different Materials Parth John 2x20/1317/33 Tonging temperature of mainly used materials are i) Woroughtiron – 850°-1300°C - 750°-1300°C ii) Mild Steel Medium carlien steel - 750°-1250°C iv)High carlion steel - 750°-1150°C v) Stainless steel - 950-1200°C rů) Brass, Copper, Benerge - 550°-900°C vii Aluminuin, Magnesiun - 300°-850°6