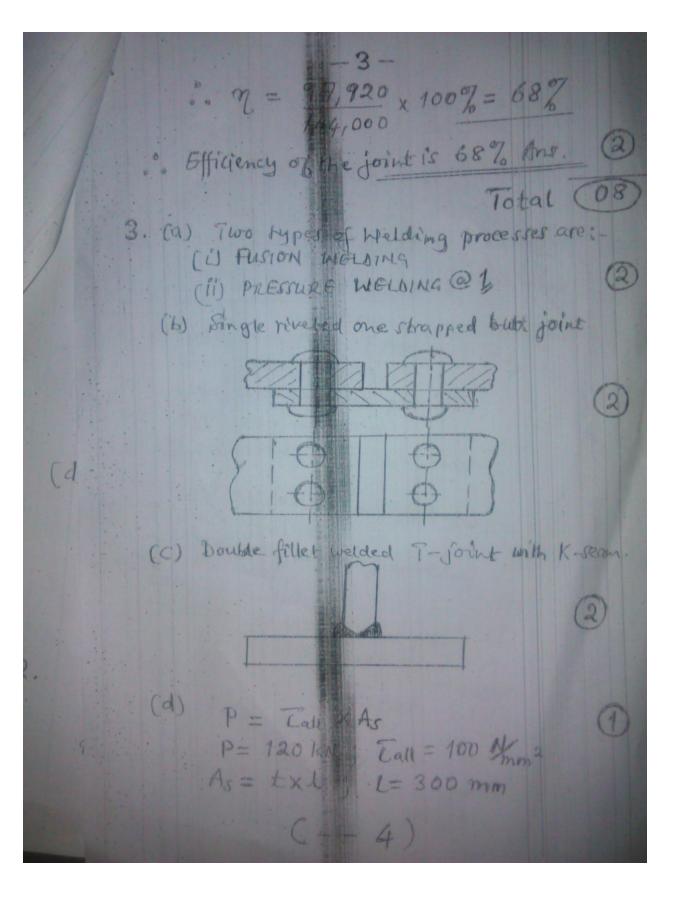


2. d= 16 mm; t= 8 mm; b= 15 cm; Call = 90 mine; Ot = 120 N/min and To = 160 N/mm2 N = 5 rivers. (a) strength of the joint For = Can X As ; As = Bridge News : 0 G = 90 x 2x11(16) 3 = 180,955 N Bearing / Crushing Fo = GONAC : Act dxtxN 6 0 Fc = 160× 16×8×5 = 102, 400 N (1) Vensile FE = GE XAE; A: (b-nd)xt n = thrivets weaken row 6 . F = 120 x (150 - 3x (1) x8 = 97,920 N D So The strength of the joint in 12 = 97,920 N Are, (2) (b) Efficiency of the white Strength of the joining Tenne strength of unriveled plate F= BEXAL; AL BOXE 8 F= 120 × 150 × 8 = 144,000 N



 $t = 0.7 \times 8$ 3.  $120000 = 100 \times 0.78(300)$ 3.  $8 = \frac{12}{3 \times 0.7} = \frac{4}{0.7} = 5.71 \text{ mm a 6 mm}$ 3. Total Total TO

