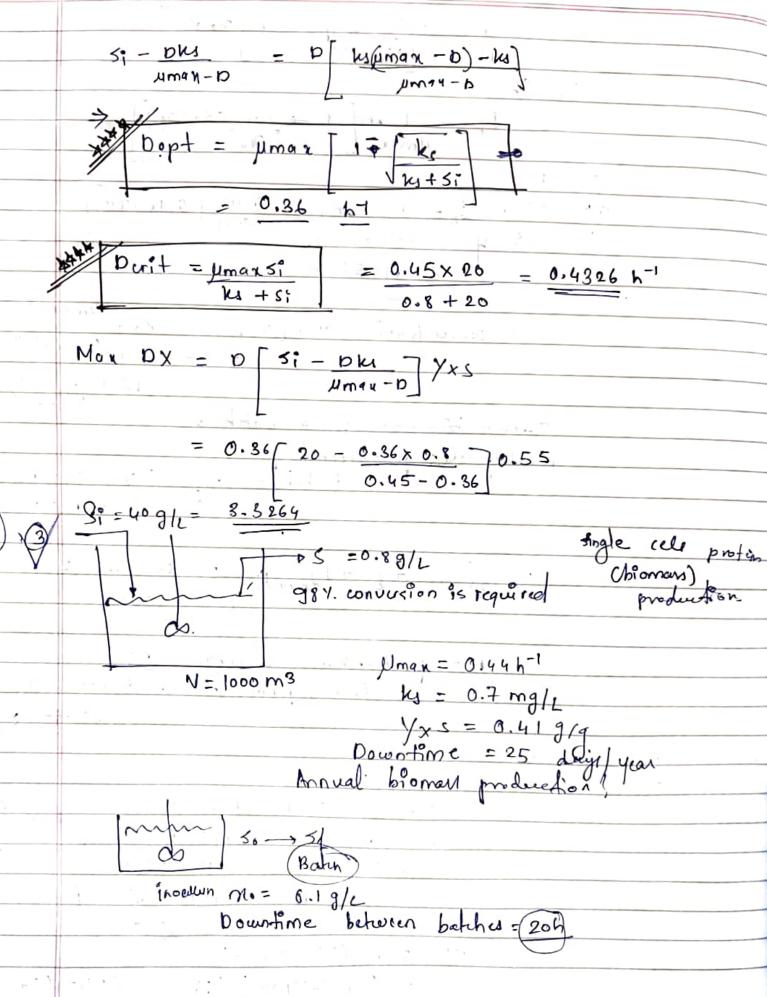
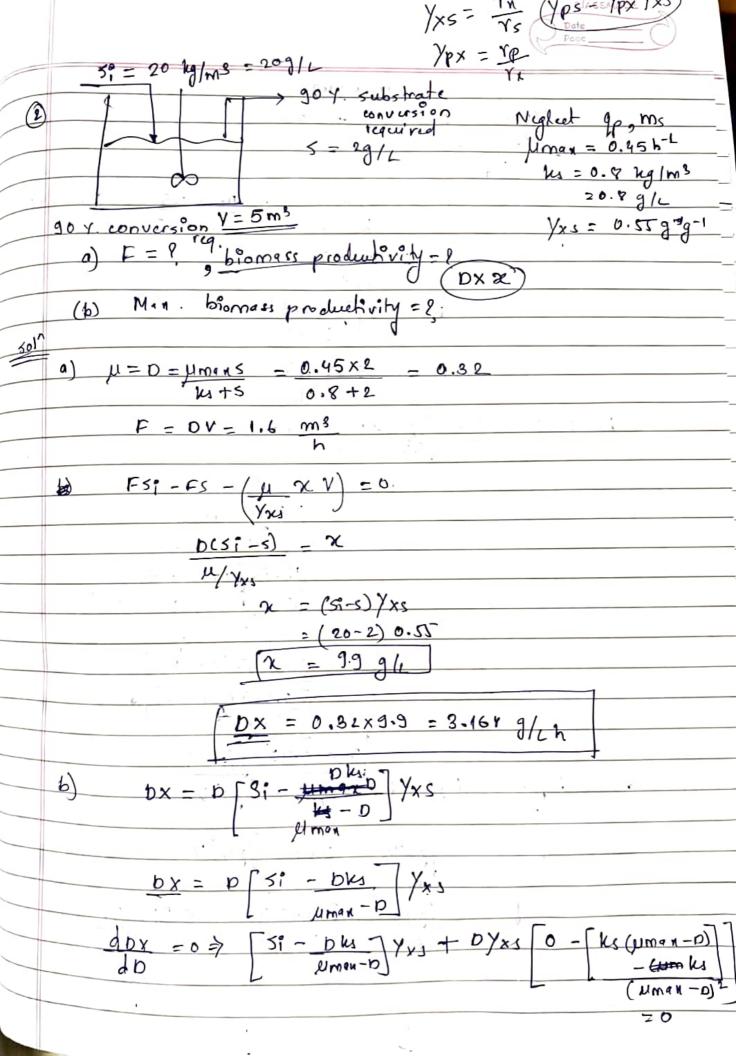


dx = ax = thus u, u = flower classmate ds = - [ H + 9p + ms] xo e maxt th = 1 en 1 -+ /201 (50-54) integrate 8=80, 3=84 .0.44. [ 1+ 0.41 (0.98x40)] = 11.58 4 (ell concentration at the xf = x0 e limorts
= 0.1e 44x11.5T = 16.1 g/c/ 2g/m3 Total biomass in a batch = Man of celle produced per botch = (x4-x0) V = 16 × 1000 = 16×105 kg/ total = +b + too time = 11.15+ 7=2 20 Hotal = 31.57h. No. of batha pu year = 278

Anual production = 16×105×275 = 4448 ton V. for continuous x = (5:-5) /xs - (40 - 0.8) 0.4 = 16.072 M = D = Mmaxs = 0.44 x 0.8 m+1 0.7x10-3+0.8 D = 0:4396 b ١٥٠٠١ - . ٩٥٠١٩ Product = Fx (365-25) × 24 = (0.4396×1000) (16.072) (340)(24) = 57654ton





$$\frac{d(xv)}{dt} = pni - fx + yxv$$

$$\frac{d(xv)}{dt} = pni - fx + yxv$$

$$\frac{d(xv)}{dt} = 0 = \mu maxs = 0.3x 1.5 = 0.2617$$

$$\frac{f}{h} = \mu maxs$$

$$\frac{f}{h} = \mu maxs$$

$$\frac{f}{h} = v \left[ \mu maxs \right]$$

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$$\frac{f}{h} = v \left[ \mu max \right]$$

$$\frac{f}{h} = v \left[ \mu ma$$