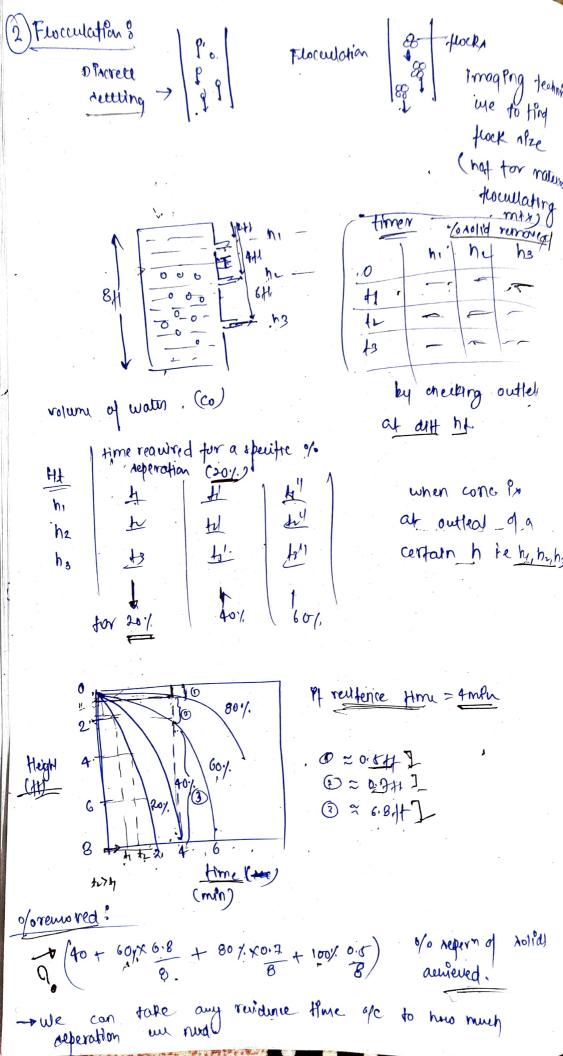
de =0.2.d1 calculate Moneral  $\Delta P = 100 pH$ d1 = 5 mm 1 d2 = 10 mm 2) 01=15mm , 0=30mm yee then add 4 or >if of allieved with one & more to it -> on Assume some data it given in exam but assumpt should be build on some all source. - 1 suction is very low there we need to do friction callet in aution pipe to ourcome une comes

suttine Duefing Layout beind that are forbidan -> 90°, 60°, 450, 30° wing dia, lingth and angle of bund we can out out our total pressure loss ut we get a new = 80,000 m8/m from our calculation - suring aucting layout & we find the hood that is asked we add up all sultion line frictional up to may and by calculating an printing loanes are to prixition and bends. Books: A conventional addre of dig of 500 mm By wid to treat the fine gas containing ament dust particulate of 3.5 gm/m³ at 165°C and 1.0 atm pressure. The inset gas receity is 17 m/s and no. of turn the gas complete in the excess is 5. Pp = 2700kg/ms , fg = 1.04 kg/m3. Viscosity of gas = 0.019 CP Particy >50 |50×40 |40-30 |30-20 |20-15 |15-10 |20-5 | <5 10.0 7.5 15.0 21.0 15.0 9.5 0/0 kg wt 19.5

Calculate: particle d'ameler 2) ourall evention efficiency of the equane 2) reutlet conci d dunt from excesse. D = 500 nm p = 3.5gm/m3 1= 160°C p = 1.0 atm b=0.20 h=0.50 TNV (Pp-1F) /2 7×5×17 (2700-1.04) Dpmn = 4.87 x10-6 m Dywn = 4.87 mm dp - now mean dia = 27.0 n = 0.99  $n_2 = 0.988$ M3 = 0.981 71 = 1+ (dpc/dp)2 ng=0.963.  $n_{t} = 0.928$ n<sub>6</sub> = 0.868 ng = 0,606 n = 0.513



unpreakable (ex- surpended + polyacratamide) pomice 3) zone Authlys in zis we ree different zone of portue igne zone, heavy zone rette : provete Fraculation ; zone retting - happen when come Pr very high. based on revidure filme (it) un can fird height of sounds in cyclindar of how much relia removed occuse during but to compression occuse during to due to a top nothing porficus. Voltank 1se (res. fime) A ( area of tand) = ho \_inshal nt. Treaxtu volume of rettling tank. In whiled place on two retting liawig. jedled holld anchonge from influen bube

Q = Ry+le - for designing Bog filter for frautrial unit (bog tiller) contant for previore Feller revoites = Qu — gas pour rate t= Art to the first for fly to clean the filter all not given, we te=tf Louis Ruces when tex 0 D'Constant Premore Hitrolian -H= (B) Va + (C) MG var vol. of gas festered for asposited dust of (dz) thickness. B, C -> cui how to be provided. - I suintance of fitter is nequirible then $dj = \frac{B}{2\Delta P} Va^2 \quad \text{where} \quad \beta = \frac{Ma \cdot C}{A^2} \frac{1}{A^2} = \frac{K^4}{A^2}$ e = cunnigham collection factor 18 = bur auxily of filter cake collection area through which gas is allowed to pay  $t_1 = K^*, V_0^2$   $A^2$   $K^* = \frac{K}{2\Delta P}$ now Q = va/t+te

(2) Constant Rate futration: (Q=const.) -> randy wed AP = 802+ + ce -0 Δp=----- O AP= (8Va+D) Q Quaix Operation range 12 Va H+tc for amax find A/c ratio . The greet two time grader Increase the area - Ac = %fina no. of bags. needed => (NXAcp = Ac) In stead of one longe bog, of we we multiple arrow bogs (20-30 cm da / 8-20 ft long) tre respace area will increase taking the ration. To appimin Ac, plated bag fortern are wed. Minor loanes Parhaus c fan convergor and frank Culleefo Major lomes we we table given for different 1 to = divitor 1 -> b nections from length and bung angle 2->6 to calculate fremure drop 26

-	premure on at present. The time meg, to evan
	both anit by 4 min. And max % 1sc in ownall
	copauty that could be attained by adopting this
	suggestion.
	Radioautive Warte Management.
	1 Introduction Mide-
	(3) Content -
	1. Radio What Pr Radio autire waste (a) Composition
	(b) Type RA would with little brief
	2. Différence b/10 other inautriol and come à radioaetire waste.
	→ why It I, were difficult to handle
	Adverge effects,  (b) on euronomient
	3, where and when he waste produced?
Committee of the Commit	(a) on Living beings Chluman, Awmay (b) on Environment.
The state of the s	6. Storage and Dinponal Confudio 9A aircum  a) ntorage techniques ant E)
	5) Proposor techniques
The second second	15. Treatment and Constituting