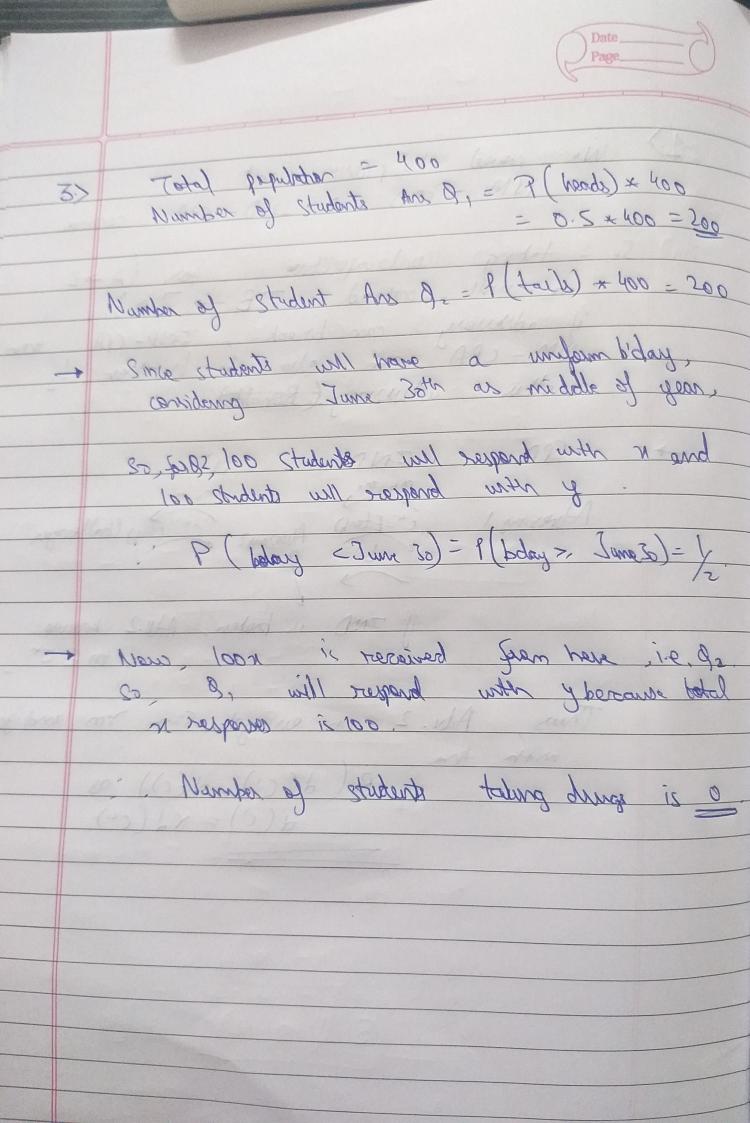
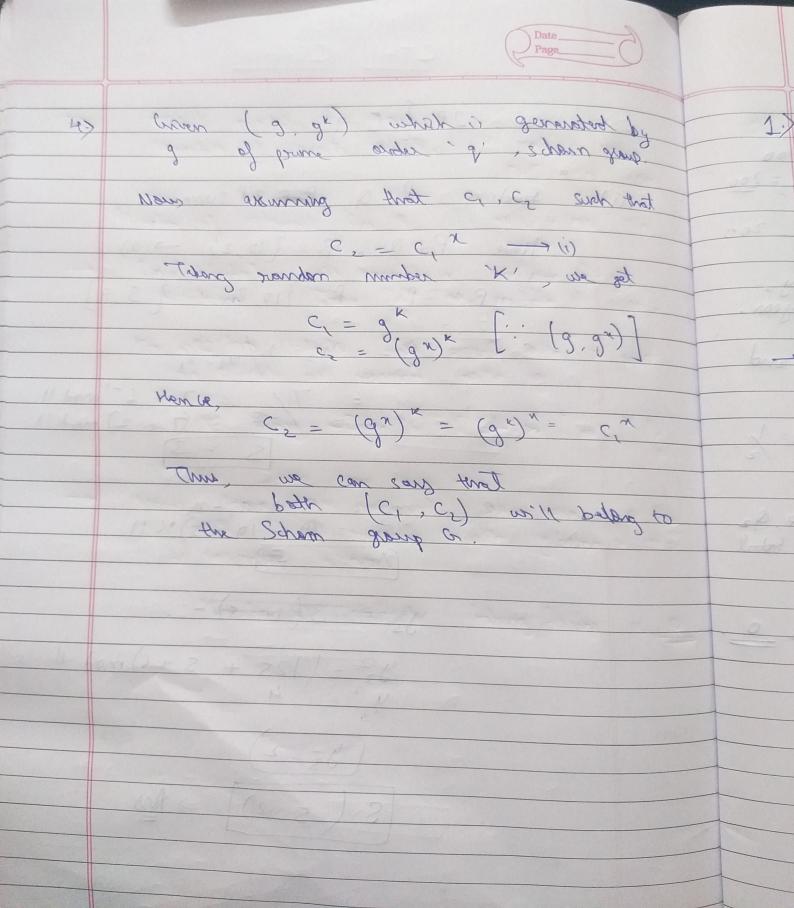
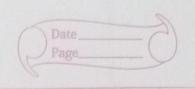


Low suand to prove that MM - GA -> IND - CPA SOLUME So tolong contrapositive for (A > B)
use will instead TB - A) if adversary can break IND-CPA tran another adurany (Bonaldo) MM CIVE CPA Adversary 1 c+= E(mp) Absorbers c+= E(mp) Challenger if IND is broken, Adv. 2 knows Thus, Adv. 2 can everypt some I'm and gove R(d(c'), d(c)) 01 d(c') = xd(c+)







Mac destound may -> Source this in enable gir dash namab Med (i) t= t'- (2how + 9sig +1) . O(k3) Now, an next to gopy the logic that for the rest of nexages whether any give trivial For the dadward mag, advocan will give or RSA-hard problem. E = E Now, the adversary has to Jorge become he wont to ask for both hash & sign, Same as oxiginal time complainty: O(K3) Now, E= E' because there is no 10 probability element, honce, no randon clement.