Aditya Sahu 2028 CS11113 Grp L. Let E be an event that you get shot. (a) 80 Let us consider the analogy. Band chambers are brekets and builtis water any 2 busets are filled. Let S={ Cur, wz, wz, wy, ws, wz} Probablish of porchoosing a chamber = P(E) = No. of filled chambers (: cach champeon hes equel probabling) (5) Suppose one time trigger is pulled end you don't get Shot. New sample space. 5 5 { w, w2, w3, wy, w3-} where any b w; wj (i7) are filled with REEPprobabling of getting shot = No of filled chembers total no. of chambers.

\[\frac{2}{5} \]

C) Suppose 2 Shells are next to each other

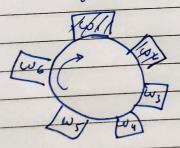
who E = event of getting shot.

Choosing each sheel is aquipoobable.

probabling of choosing filled shell 1 = 1/6.

Total probablity of choosing a fixed shell of Z = I

you don't get shot.



if you didn't get shot meons initially trigget was in wo we or we or we so we so we so we shall the said the sa

Now in next chance Arigger you get shot only if you are currently in w6.

P(W6) = 7