g-i) speaify the following simple regre-sion models & provide an interpl-etation for the slope & intercept-parameters in each case. Level-Level: Clourey the sin y 2 Bot Bix + u is sopo measures the impact of - (a) a marginal charge in a on the expected value of y. h property post of a to 2 expected value of y when Kp - X = 19 Log-Level: on to the court logy 2 Bo+ Bix+ U. Bo = Log of the expected value of e.g. Log (Y) 23.03 - 0.2x. 8 then Log (Y when x20) = 3.03

B1 = 1/ dy = dy/y

B₁ = dy /y

Ox

(1 mit)

>) a marginal * change in x change

the expected y by 100 B/.

Clearly, the impact of x on y also

depends on the initial value of y. Level - Log: y = Bo + B, log (x) + u. Bo = expected value of y when $B_{12} \times dy = dy$ a change in the expected value of y by B/100 units. (i.e; 14. of Bunks clearly, the impact of x on y also depluds on the initial value of x. LOQ (Y) = 3.03 - 0

