Q. n.dy +y.logy = n.yer 3) GiVED DE. is, dy + (2) y logy= y.ex Dividing by'y' also

I dy + (-ox) = (-\frac{1}{2}) logy 1 dy (2) logy = 02 Put logy=t = ) fox dx P=1, Q= ex I.F. = SPdx = Stock = elogx = x.

General solution is,

t:(I.F)= (G.I.F.) dx+C. t. 2 = (et. 2.) dx + C = 21. 67 - 00 62 + 0