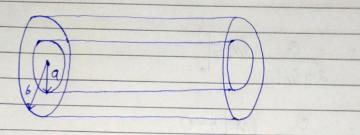


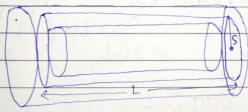
Q. Find the Capacitance per unit length of two coaneal metal cylinders tube of radeus a and b.



Sol:- We know that, C = 0 V

50, We have to find potential b/w two Cylinders but for that we first need E.

Let us assume Gaussian Surface, with sadius & lungth 1



Applying Grands law, SE da = Renc

100), potential difference blu two Cylinders is given by

V(b) - V(a) = - of E. dl

