perperty of holding

Capacitance device used to store electrical energy/charge.



$$| 2\mu f_{2} = 10^{-6} f$$

$$| 1 n f = 10^{-9} f$$

$$| 1 p f = 10^{-12} f$$

Fore on a eapacitor it

$$F = \frac{1}{2AE_0}$$

( Energy shred in the

Capacitor 
$$= \frac{1}{2} CV$$

(A) Capacitance in presence of

@ for multiple L'electris

about the depend upon - charge, vollage

(ii) Cylinderical capacitor-

$$\frac{1}{3} \times \frac{1}{3} \longrightarrow \frac{1}{3} \longrightarrow \frac{1}{3} \times \frac{1}{3} \longrightarrow \frac{1}{3} \times \frac{1}{3} \longrightarrow \frac{1}$$

(iii) Patential due to enjorite dive > 4-1B=2KJ ()

$$\therefore (=\frac{1}{\sqrt{2}} = \frac{2\pi \epsilon_0 1}{\ln(16\pi)}$$

=> Common Potential

Heat LOSS => H = 1 (1(2 (V,-Y2))