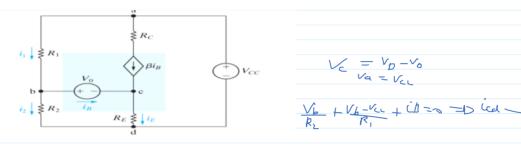
Diring +VC half gran and diedes are in reverse bias position so Ver =0 [so option at is comed] Ab) NOO draing-Ve half eyen all diedes are short circuit so a what four bridge will four so and Ver =0

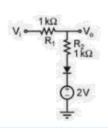
Giva ni=1.5x10 h-3, s=2x105mm
No = 1030 m3

a)  $h \times 10^{-1} (hi)^2 - m = (1.5 \times 10^{16})^2 - 2.25 \times 10^{12} / 20^2)$ 

1) I intringi - 2x105 = 1 = 1 = D In - 1.6 4x10-3 h1/v-1 ()

O4)4)

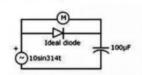




According to dution

-> during + ve half cycle powered bias 5-2ix -0.7-2 =0 D [Kc=1.15A] Vo=5-4=5-1.15 =D 1.25V

hence option C is correct



- (a) 7.07 V

- (d) 20.0 V

According To Sion oution

during 0 < lot = = her Vin = +ve [ forward Lias ] to coperator with changed to 10 v more

Now, diode to be forward kins the college Vin World K > 10 not possibly So after first quoter cycle the diode is always in sureya his

 $\frac{1}{\sqrt{D_{Nrs}}} = \frac{\sqrt{D_{D}} + \sqrt{C_{D}} + \sqrt{C_{D}}}{\sqrt{D_{D}}} = \frac{\sqrt{D_{D}} + \sqrt{C_{D}}}{\sqrt{D_{D}}} = \frac{\sqrt{D_{D}}}{\sqrt{D_{D}}} = \frac{\sqrt{D}}{\sqrt{D}} = \frac{\sqrt{D}}{\sqrt{D}}} = \frac{\sqrt{D}}{\sqrt{D}} = \frac{\sqrt{D}}{\sqrt{D}} = \frac{\sqrt{D}}{\sqrt{D}} = \frac{\sqrt{$