	c.w	
	C.W	
	Umax Hayyat	
	Umax Hayyat 2019-EE-360	
	Q.No.31	
	ioV	
	At positive half cycle diade is frunxed	
	bias after DAV and its like a short	_
	cixcuit. So. outfut after: 6.7V is 2080	* * * * * * * * * * * * * * * * * * * *
	In negative half cycle, diode is reverse	State P
	bias and disde act like a open circuit	
	Voltage	
	Wave form:	
	ov t	
	0 N/0 22 47kr	
•	QN032	
· · · · · · · · · · · · · · · · · · ·	-25V - R. 347km	
	For the half yele.	
- A41	Using node analysis.	ta
	Vout-Vin + Vout-0.7 = 0	
. 110	Vout - Vin + Voul - 07 = 0	
<u></u>	2 Vont = V.n + 6.7 $Vont = V.n + 6.7$	
	Vout = Vin + 0.7 2 2	

C.W	
Vout = Vin + 6.7	
$V_{\rm IN} = 25V$	
V _{sut} = 25+0.7	
Vout = 12.85 V	
For Negative half cycle. Vout = Vin	
Vout = 25V.	
Wave form: 35V NM	
12-800	
257	
QN0 32:	
47K2 (C) Vin	_
Vin Vait	
Ry 3 47Kn	
Using Note analysis we have	
$V_{out} = V_{in} + 0.7$	
Vout = 12 + 0.7	
Vout = 6.35V	
For -Ve half cycle	-8
Vout = Vin = 12N Vont	
6.35V TV6NL	
0 >-1	
A.K Quality Paper Products (Ali Pur)	









