NAME: ABU DAVID MARTIC NO: 18/ENG02/002 DEPT: COMPUTER ENGINEERING BASIC ELECTRICITY ASSIGNMENT

ABU DAVID HEIENGO21002 COMPUTER ENGINEERING BASIL ELECTRICITY ASSIGNMENT Zener diodes can be used to produce a stabilised voltage stput 0 with low vipple under karging low current conditions. Record - Brased diddes and bits bipsla transists base - emilter junctions that break down below the 7 houts. The noise generate - by somer didde is a simple shot noise. The zeros dis de hoill conduct sufficient current to maintain a voltage arep of bout T (MA) Fowerd current trabreakdaso < + x Forced persed 10 Ltage Levere 0-2 - 0-3 v Germonium dio de zer bing 0.6 - a tv silip break-July I-V Chractristic Curre

ABU DAYTD H81 ENGO21002 COMPUTER ENGINEERING BASIL BLECTRICITY ASSIGNMENT Zener diodes can be used to produce a stabilized voltage sitest with low vipple under karging loss (current conditions. Receive - brased 0 div des and bits bipsla transvista base - emilter junctions that break down below the 7 worts. The noise generate- by zower divde is a simple shot noise. The zenor div de will conduct sufficient current to maintain a voltage arop of hout TICMA) Fowerd tracurrent Ballice se + x Foland Voltage Re Kosed 10 ltage Levere 0-2 - 0-3 V Germonium dio de 200 bing 0.6 - 0 Av silip breakredy

5:5 11 Cument Flue Dr + 50 Vol ton . 6C'D P=500 TR= 500mA = 500 710-3 =0.5A 2 Noc: 20 chat = 12 = 20 kman Vde 2+20 40