EC Lab Exam 2021

Time Allowed: 25 min
Total Marks: 25

Instructions:
Please state you name and registration number properly if any mistake your test will be discarded.

Your email will be recorded when you submit this form

Not **19pwcse1747@uetpeshawar.edu.pk**? Switch account

* Required

Name: *

Aamir Ibrahim

Registration Number: *

19PWCSE1747

Which of the followings is/are active element? * 2 points

- ○ Voltage source
- ○ Current source
- ◉ Both
- ○ None of these

Transistors can work like very fast _____ * 1 point

- ○ Diodes
- ◉ Switches
- ○ None of these
- ○ Rectifiers

if you a transistor is given low input it gives _____ * 1 point

- ○ High output
- ○ No output
- ◉ Low output
- ○ Normal output

IB is generally taken in * 1 point

- ◉ uA
- ○ mA
- ○ A
- ○ megaA

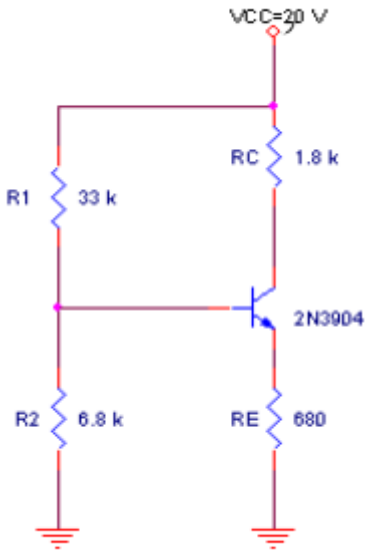
Number of diodes in bridge rectifier is * 1 point

- ○ 5
- ◉ 4
- ○ 1
- ○ 3

The arrow is pointed towards in npn transistor * 1 point

- (●) emitter
- ( ) collector
- ( ) none of these
- ( ) base

How to find Vce here? * 2 points



- (●) Vce = Vcc - Ic(Rc+Re)
- ( ) Vce = Vcc - Ic(R1+R2)
- ( ) Vce = Vcc - IcRc
- ( ) Vce = Vcc - Ic(Rc+R1)

Biasing means applying external _____ * 1 point

- [ ] current
- [ ] diodes
- [x] voltages
- [ ] resistors

A zener diode is also used as * 1 point

- [ ] multivibrator
- [x] voltage regulator
- [ ] rectifier
- [ ] switch

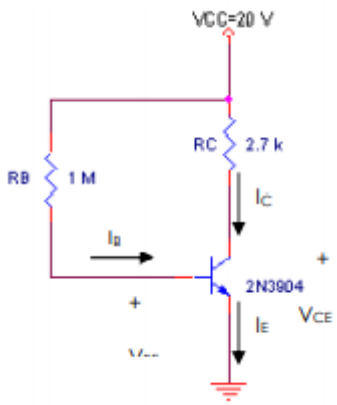
zener diode is damaged if it * 1 point

- [ ] is forward biased
- [ ] none of these
- [ ] is reverse biased
- [x] carrier more than rated current

In Proteus if a transistor has no pcb package what connection package do we assign? * 2 points

- ○ CONN-SIL2
- ○ CONN-SIL3
- ○ CONN-SIL4
- ◉ None of these

How do you find β in this circuit? * 2 points

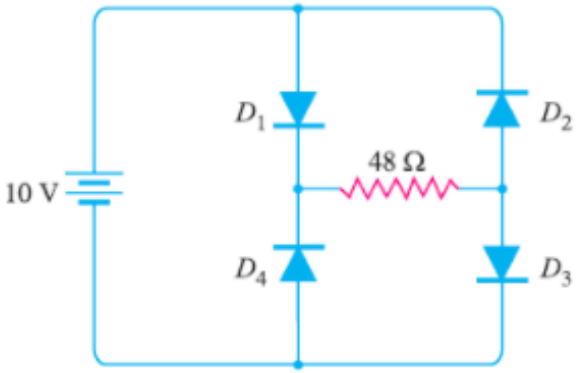


- ○ Vrc/Rc / Vbe/Rb
- ◉ Ib/Ic
- ○ Ic/Ie
- ○ Vrc/Rc / Vcc - Vbe/Rb

Where is ground stored in Proteus? * 1 point

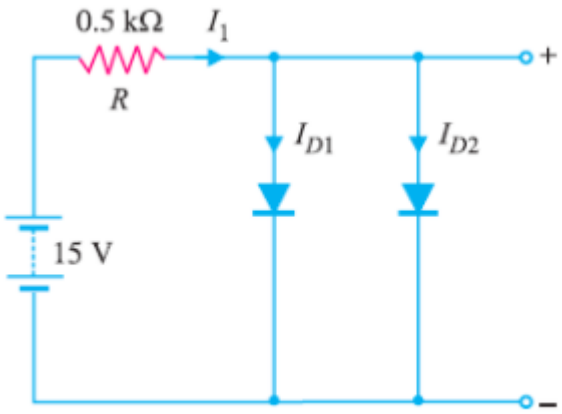
- ○ Component mode
- ◉ Terminal mode
- ○ Sub circuit mode
- ○ Generator mode

Find the current across resistor in the following circuit. the diodes are silicon diodes. (Only put the numerical value in answer and do not add unit symbol to the answer) * 4 points



0.17916

Find ID1 is the circuit below. Diodes are germanium diodes (Only put the numerical value in answer and do not add unit symbol to the answer) * 4 points



0.0294

Submit

Never submit passwords through Google Forms.

This form was created inside of University of Engineering & Technology Peshawar. Report Abuse

Google Forms