A picture containing text

Description automatically generated

Department Of electrical and computer Engineering

ENEE2103 CIRCUITS AND ELECTRONICS LABORATORY

Experiment No.7 Prelab

Instructor: Dr. Alhareth Zyoud

Made By: Islam Jihad

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Date: 3/10/2021

Timeline

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Timeline

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Vce=8.5828V

Vbe=0.7V

Vin=1:

Chart

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Changed the amplitude for Vin to 1V

Chart

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Av = Vo (t) / Vi (t)

Av=4/2=2v

Chart

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Av1 = Vo (t) / VB (t)

Av1= 4/0.7=5.71V

7.

Graphical user interface

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1. ***COMMON COLLECTER TRANSISTOR AMPLIFIER.***

Calendar

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The output=2 when the Vsin amp=5.2

Graphical user interface, chart

Description automatically generated

The needed input ac value:

Graphical user interface

Description automatically generated

|  |  |
| --- | --- |
| **Quantity** | **Measured values** |
| **Vin** |  |
| **Vout** |  |
| **iin** |  |
| **iout** |  |
|  | **Calculated values** |
| **AV=Vout/Vin** |  |
| **Ai=iout/iin** |  |
| **Zin=Vin/iin** |  |
| **Zout** |  |

A picture containing calendar

Description automatically generated

Diagram

Description automatically generated

Diagram

Description automatically generated with low confidence