# CSE-250 Simmulation Project Name: MD Ikramul Kayes

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5ec: 07

anoup: 05

#### Methodology

Getting values of Unknown Vaniables

Putting them on Lt spice

Vse specific commands

Plat them accordingly

Use specific commands Using Utspice plot

#### Question 1/

Dans: As my student IDis 21301576

Changing on Dischanging time is

$$5T = 2+1+3+.0+1+5+7+6$$
 $= 7T = \frac{25}{5} \times 10^{-3}$ 

$$\frac{70 \, \text{RC} = 7}{2 \, \text{N} \, \text{N}^{-3}} = 2.5 \, \text{X} \, \text{I} \, \text{O}^{-3}$$

Lets assume, R=RITR2TR3

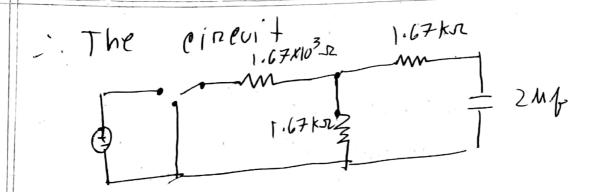
$$Req = R + RIIR$$

$$= \frac{3}{2}R$$

$$= \frac{3}{2}R$$

$$= \frac{3}{2}R = \frac{2.5 \times 10^{3}}{2}$$

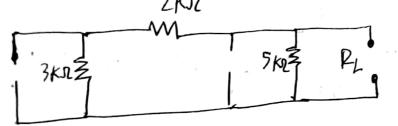
$$\frac{1}{2}$$
  $R = 1.67 \times 10^{3}$ 



in As the final voltage of the following plot is 5 v, so the total voltage for the circuit will be 2x5 v, which is lov. As in 10 v the full eyeld will be complite. As in 5 v it only will be complete half eyeld.

Question 2 1

The following cinevit can be drawn nos for the value of RL



$$R_{L} = 5 + \frac{(2113)}{(3+2)} (3+2) 115$$

(1) PE AS MY ID 15 21301576

ASI PMAX = ( V4h ZXRL

For, Pmax 
$$PL = P+h$$

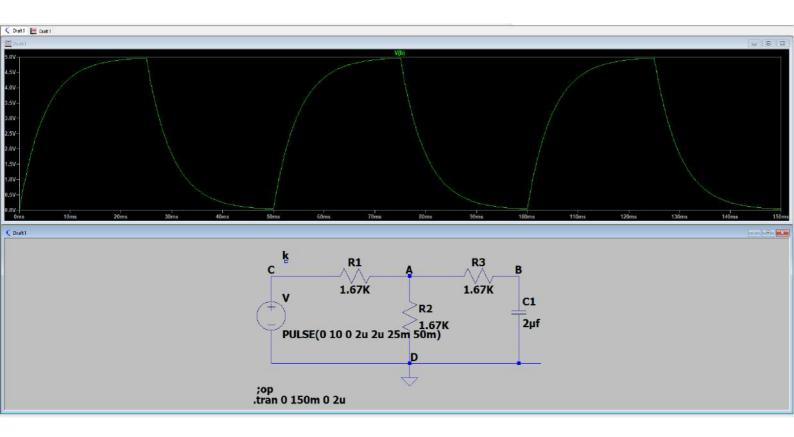
$$= \frac{24\pi R}{2}$$

$$= \frac{(V+h)^2}{(2.5)!0^3} \times (2.5)!0^3$$

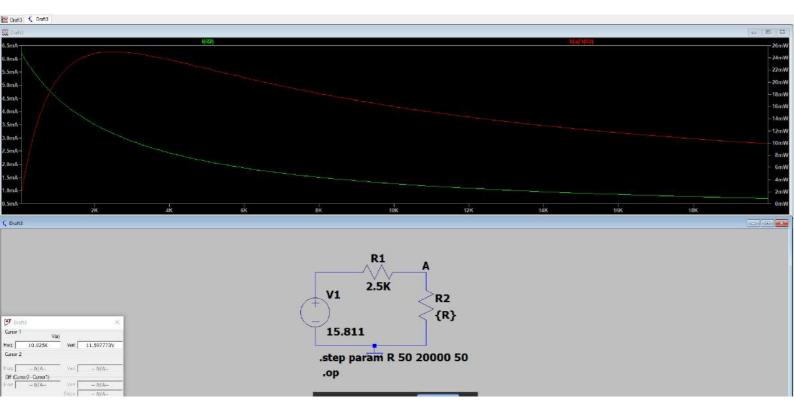
The Is we get for the teineviting of 0.00 364 A OR 3.64 mA

(1) A9, I am seeing the max Power generated by the venin and onginal cinevit is a same, so the thevenin cinevit is connect.

## Question 1(3)ans:



## Question 2(2) ans:



### Question 2(4)ans:

