**Course Title:** CSE209

Section: 02

Semester: Fall 22

Assignment- 02

## **SUBMITTED TO**

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Senior Lecturer

Department of Computer Science & Engineering

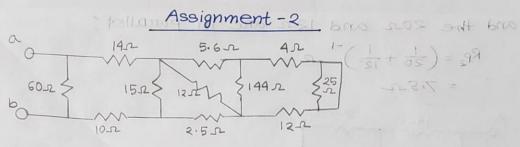
**East West University** 

## **SUBMITTED BY**

Name: B M Shahria Alam

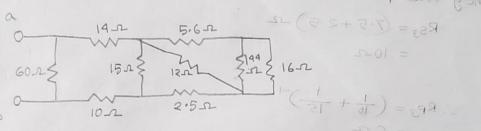
**Student ID:** 2021-3-60-016

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Here, a wire connected over 251. So the 251 resistor work here. So this is a short circuit.

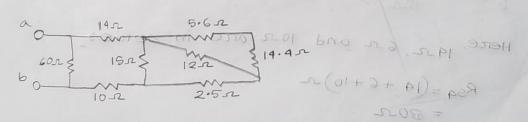
So, 42 and 122 are in servies;



Herre,

144 s and 16 s are in parallel,

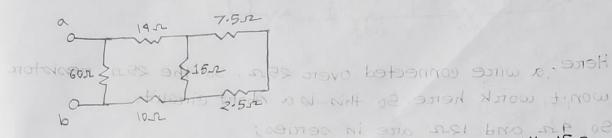
$$\frac{1}{RP_1} = \left(\frac{1}{144} + \frac{1}{16}\right)$$



Here,

5.6-2 and 14.4 st are in services,

and the 2012 and 1212 are in parallel ]  $RP_2 = \left(\frac{1}{20} + \frac{1}{12}\right)^{-1} \cdot 2$   $= 7.5 \cdot 2$ 



Here 7.51 and 2.51 are in services, and with 1512

they are parallel,

$$Rs_3 = (7.5 + 2.5) - 2$$
= 10.2

$$RP_{3} = \left(\frac{1}{10} + \frac{1}{15}\right)^{-1}$$

$$= 6.22$$

Herre, 192, 62 and 102 are in services

PSE = (5.6 + 14.4) IZ ILOS & SAO)

= 202

Herre,  

$$30.52$$
 and  $60.72$  are in parallel,  
 $RPA = \left(\frac{1}{30} + \frac{1}{60}\right)^{-1}$   
 $= 20.02$ 

$$Rab = 20.2$$

$$Rab = 20.2$$