R	A	2	1											

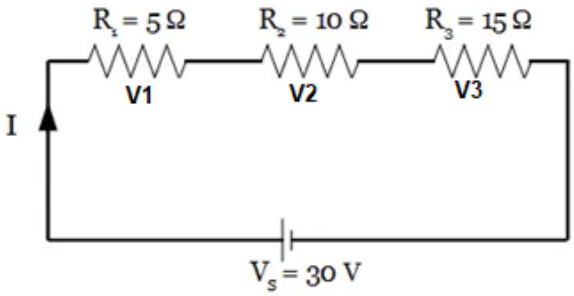
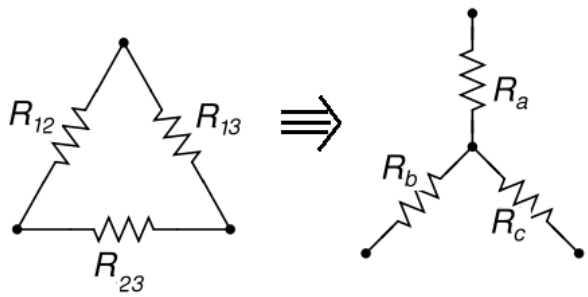
COLLEGE OF ENGINEERING & TECHNOLOGY,
SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Cycle Test – I SET- A

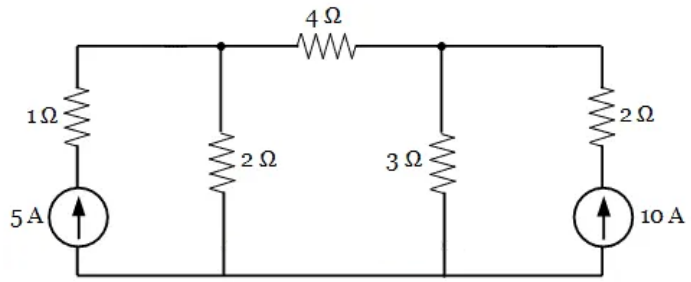
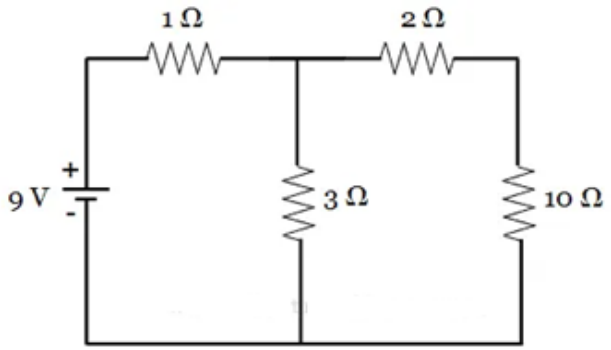
Academic Year: 2021-2022 (EVEN SEM)
Program offered: B.Tech
Year / Sem : I/II
Course Code and Title: 18EES101J/ BASIC ELECTRICAL AND ELECTRONICS ENGINEERING
Maximum Marks: 25
Date and Time: 21/04/2022 and 08:00 am to 08:50 am

Learning Assessment (CLA 1)			
Levels	**Level of Thinking**	**Weightage Required (%)**	**Weightage Provided(%)**
1	Remember Understand	40%	40%
2	Apply Analyze	60%	60%

PART A (Answer all the questions) **3x4 MARK=12 MARKS**

Q. No.	Questions	Reference to CO	Reference to PO	Bloom's Taxonomy	Marks Allotted	Marks Scored
1.	a. Find the voltage V_1, V_2 & V_3 in the given circuit using voltage division rule  b. Give the transient current response equation with the graph of an R-C series circuit.	CO1	1	Understand	4	
2.	State Maximum power transfer theorem. Explain briefly the procedure to arrive at its equivalent circuit.	CO1	1,2	Apply	4	
3.	Convert given delta circuit to its equivalent star form, if R_{12}=8 Ω, R_{23} = 4Ω and R_{13} = 6Ω 	CO1	1,2	Understand	4	

PART B (Answer all the questions) **1x13 MARKS=13 MARKS**

Q. No.	Questions	Reference to CO	Reference to PO	Blooms Taxonomy	Marks Allotted	Marks Scored
4a.	Using nodal analysis, find the current in 4Ω resistor of the given circuit 	CO1	1,2	Apply	13	
	(OR)					
4b.	Find the current through 3Ω resistor of the given circuit using Thevinin's & Norton's theorem 	CO1	1,2	Apply	13	

CO ASSESSMENT		
Course Outcomes	**Marks Allotted**	**Marks Scored**
CO1	**25**	
CO2	**-**	**-**
CO3	**-**	**-**
CO4	**-**	**-**
CO5	**-**	**-**
CO6	**-**	**-**
Total	**25**	

Total Marks Scored: **Signature of the Faculty**