## Department of Electrical Engineering Assignment

Date: 20/08/2020

Course Title:	Linear Circuit Analysis	Semester:	Summer-20
Instructor:		Total Marks:	30
	Student Details		

Student ID:

Name:

Q1.	(a)	What is the main difference between a lumped network and distributed network?		
	<b>(b)</b>	Why do we mostly use parallel electrical connection in house wiring?		
Q2.	(a)	What is the importance of Ohm's Law for a student of Electrical Technology/Engineering?		
	(b)	Why the resistance increases with temperature in conductors?		
Q3.		In the network shown below, find the magnitude of current by Mesh current method: $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Marks 10	