

Department of Electrical Engineering

Assignment

Date: 23/06/2020

Course Details

Course Title: Power Electronics

Module: 4rth

Instructor: _____

Total Marks: 50

Student Details

Name: _____

Student ID: _____

Q1.	The solar energy is low density energy so it is perfect to be installed in urban and suburban areas. In this way the zero energy building goal can be reached but many other problems arise for the real integration. What is your opinion that the future of photovoltaic, solar thermal and hybrid PV/T systems is in the building integration?	Marks 10
		CLO 1
Q2.	What is the technical difference between grid forming and grid supporting inverters? Back your answer with valid data, facts and figures.	Marks 10
		CLO 1
Q3.	Electric cars and hydrogen cars both run on apparently clean fuels. However, the source of electricity or hydrogen production may be based over partially clean processes. It is a question of the future, which of them will prevail.	Marks 10
		CLO 2
Q4.	Is it possible to control speed using Boost Converter? Give your answer with proper example.	Marks 10
		CLO 2
Q5.	Describe the effect on distortion on the output frequency of the cycloconverter? Back your answer with valid data, facts and figures.	Marks 10
		CLO 2

☺GOOD LUCK☺