Electrical and Computer Engineering Department

Electrical Installations & Drawings Lab (ENEE 4202)

AutoCAD Final Exam

Student Name: Date: 20/12/2020

Student Number: Time: 50 min.

Use AutoCAD 2018 program to do the following tasks:

1) Open the AutoCAD file (Final.dwg) located at the desktop.

                                                    *

2) Create three layers, the specifications indicated below, which you will use for the three plans (Lighting/Power/ ELV).

Layer Name	Color
Lighting	Yellow
Power	Red
ELV	Green

Save your work.

3) In the opened AutoCAD file, you have to do the following tasks:

Lighting Plan: [40 Marks]

- Convert any component you want to use from original layer to Lighting layer.
- You have to add any necessary lamps and switches (one-way switch, two-way switch, cross switch, …) in the all rooms at necessary places.
- You have to distribute the lighting circuits on the distribution board, so that each room will have its own lighting MCB

Save your work.

Power Plan:

[40   Marks]

- Locate the sub distribution board on the power plan, and then do the following tasks.
- Convert any component you want to use from original layer to Power layer.
- Add power sockets, water proof socket and double pole switch in all rooms at necessary places.
- You have to distribute the power circuits on the distribution board.

Save your work.

Extra low voltage Plan: **[20 Marks]**

Tasks:

- Convert any component you want to use from original layer to ELV layer.
- Locate the low-voltage box
- Locate the electric bell and its push button.
- Add telephone, data, and TV sockets at necessary places.

4) Submit your work by reply on the message through **Ritaj** with the following format

"*StudentID StudentName FinalExam.dwg*".

☺ Good Luck ☺