

### Module 3 – Lighting, Heating, and Air

#### Electrical Installation

2-1-1-1

##### Question 1

1. What are the advantages of LED?

100 Marks

- a) Long life span
- b) Low power consumption
- c) Low heat generation
- d) Low maintenance
- e) Environmentally friendly

2. Name the factors affecting lighting design.

100 Marks

- a) Room size
- b) Room height
- c) Room area
- d) Room volume
- e) Room shape

##### Question 2

3. Calculate the lighting load for a room of 10m x 10m.

100 Marks

- a) 1000W
- b) 2000W
- c) 3000W
- d) 4000W
- e) 5000W

4. Explain the following terms:

100 Marks

- a) Lighting fixture
- b) Lighting layout
- c) Lighting design
- d) Lighting calculation
- e) Lighting control
- f) Lighting maintenance
- g) Lighting safety
- h) Lighting quality
- i) Lighting energy efficiency
- j) Lighting environmental impact

100 Marks

# Mastering Science Workbook 2a Unit 8 Answer

**CL Gary**



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