

GOVERNMENT ENGINEERING COLLEGE, DAHOD

ELECTRICAL ENGINEERING DEPARTMENT

Odd-Semester-2015

1st Semester Division: G (EC Department)

Subject: EEE [2110005] Elements of Electrical Engineering

Assignment-3 _Module-3 _Batteries, Wiring, Illumination & Electrical Safety

➤ **Batteries & Fuel Cell:**

01. Explain: A-h & W-h capacity of a battery

➤ **Electrical Wiring:**

01. Define cable and explain its construction with neat sketch diagram

02. Discuss the types of cables used for residential and commercial wiring.

➤ **Illumination:**

01. List out types of lamps and explain fluorescent lamp with wiring diagram.

02. List the different types of illumination scheme.

03. Explain: Lumens.

➤ **Safety & Protection:**

01. Define term 'Earthing'. State all the methods of earthing and explain any one of them.

02. Explain: Rating of MCB.

03. What do you mean by earthing? Analyze earthing concept with the help of a device-ELCB (Earth leakage circuit breaker) used at our residence
