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**Marathwada Institute of Technology, Aurangabad.**  
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**Department of Electrical Engineering**

### **Question Bank – ESPD – Unit 4**

Que1: State the reasons for establishing substation? What are the types of substation?

Que2: Explain the safety requirements of a substation? How is the earthing done in an outdoor pole mounted substation?

Que3: Draw the SLD of a pole mounted outdoor substation and explain all the major components.

Que4: Draw the SLD of a floor mounted indoor substation and explain all the major components.

Que5: How do you estimate the material and accessories required in a substation based on their ratings? Explain through an example.

Que6: In a village a residential load of 10KW, agricultural load of 25HP and water works of 15HP has to be electrified. Select the type of substation to be erected. Make a list of material required for the installation of proposed substation.