

### **ASSIGNMENT 1 : Introduction to measurement**

*Instructions: Please download, print, provide answers using the spaces provided, scan and submit on vclass before or on the due date.*

#### **QUESTION**

1. What the aid of a well labelled diagram of a typical measuring system, describe the functions of the major components of an electrical measuring system.

**2. Define the terms sensitivity, accuracy, linearity and resolution in relation to measuring instrument performance.**

**3. The inductance of an inductor is specified as  $20\text{ H} \pm 10\%$  by a manufacturer. Determine the limits of inductance between which it is guaranteed.**