Week 09 of 15 – Terms Name: Answer Sheet

In your own words, write a definition for each of the following terms. Plagiarism will be checked and not tolerated.

Points: 5 pts/each = 7 \* 5 = 35 pts

**Mixture**

1. A substance made by mixing other substances together. 2. The process of mixing or being mixed.

**Solution**

A liquid that contains dissolved substances.

**Saturation (Saturated)**

1. A device characteristic that is exhibited when a further change in the input signal produces no additional change in the output. [ANSI/ISA-67.04.01-2000] A characteristic curve exhibits saturation when further change of the input variable beyond a certain value results in a negligible additional change of the output variable.

**Concentration**

1. The amount of a particular substance in a given amount of another substance, especially a solution or mixture.2. The weight of solids contained in a unit weight of boiler water or feedwater. 3. The number of times that the dissolved solids have increased from the original amount in the feedwater to the amount in the boiler water because of evaporation in generating steam.

**pH**

An indication of the acidity or alkalinity of a solution. Units of pH range from 0 (most acidic) to 14 (most alkaline), with 7 as neutral. The term describes the hydrogen ion activity (aH+) of a system and is equal to –log (H+), which is the negative log of hydrogen concentration in moles per liter.

**Galvanic**

1. Relating to or involving electric currents produced by chemical action.

**Inferential measurements**

1. An inferred measurement is a method of measuring one variable to determine the value of another variable. As an example: measuring pressure to determine rate of flow.

