**GE 105 Introduction to Engineering Design**

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**Tutorial (1): Engineering Design**

1. a. What is engineering?

b. Who is affected by engineering?

2. a. What is design?

b. Define engineering design.

c. What is a “good design”?

3. a. What is the difference between analysis, design and reproduction?

b. Determine whether the following tasks involve analysis, design or reproduction:

i. Find a way to mount a cellular telephone inside a car to permit hands-free operation.

ii. Find a way to stack cans of beans so that the smallest sized box can be used for shipping.

4. Write a paragraph to visualize the features of the Smart classroom in the year 2030.