Florida A&M University
General Education Assessment Committee (GEAC)

General Education QUANTITATIVE REASONING Assessment Rubric

Score of 4 (Excellent): The student:

• Shows complete understanding of the problem’s concepts and principles.
• Uses all correct and appropriate mathematical terminology and notation.
• Executes algorithms completely and correctly.
• Computations are correct.
• Identifies all the important elements of the problem and shows complete understanding of the relationship between elements.
• Reflects a very appropriate and systematic strategy for solving the problem.
• Gives evidence of a complete and systematic solution process.
• Includes diagrams with a correct explanation of all the elements in the diagram.

Score of 3 (Good): The student:

• Shows nearly complete understanding of the problem’s concepts and principles.
• Uses nearly correct and appropriate mathematical terminology and notation.
• Executes algorithms completely but incorrectly.
• Computations are generally correct but may contain minor errors.
• Identifies most of the important elements of the problem and shows general understanding of the relationships among them.
• Reflects an appropriate strategy for solving the problem.
• Gives evidence of a nearly complete and systematic solution process.
• Includes a diagram with a correct explanation of most of the elements in the diagram.

Score of 2 (Average): The student:

• Shows some understanding of the problem’s concepts and principles.
• Uses mostly correct and appropriate mathematical terminology and notation.
• Executes algorithms incompletely or incorrectly.
• Computations are generally correct but contain many minor errors.
• Identifies some important elements of the problem but shows only limited understanding of the relationships between them.
• Reflects an appropriate non-systematic strategy for solving the problem.
• Gives evidence of an incomplete solution process.
• Includes a diagram with a correct explanation of some of the elements in the diagram.
General Education QUANTITATIVE REASONING Assessment Rubric

Score of 1 (Below Average): The student:

- Shows limited to no understanding of the problem’s concepts and principles.
- Uses little correct or appropriate mathematical terminology and notation.
- Executes algorithms incompletely and incorrectly.
- Computations are incorrect and contain major errors.
- Identifies few of the important elements of the problem and shows no understanding of the relationship between them.
- Reflects an inappropriate strategy for solving the problem.
- Gives no evidence of a solution process.
- Includes diagrams with a correct explanation of very few of the elements in the diagram.

Score of 0 (Unacceptable):

- No answer attempted.