

## **Scope of test for Related Technical Math**

The student should be able to demonstrate a comprehensive understanding of the following areas:

- a) Addition, subtraction, multiplication and division of whole numbers, decimal numbers and fractions.
- b) Ratio and proportion
- c) Conversion of fractions to decimals and percents
- d) Finding percents of numbers
- e) Changing a written statement into a mathematical sentence
- f) Solving algebraic word problems
- g) Calculate surface area and volume of common geometric shapes
- h) Conversion of common units of measure within the same system
- i) Show a logical solution of geometric proofs
- j) Basic understanding of right triangles