

RSPT 1060 FINAL EXAM STUDY GUIDE

50 Questions broken out as follows:

<u>MODULE</u>	<u>#</u>	
A	5	10.0%
B	5	10.0%
C1	7	14.0%
C2	3	6.0%
C3	6	12.0%
C4	6	12.0%
C5	6	12.0%
C6	6	12.0%
C7	6	12.0%
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	50	

Things I would focus on:

1. Basic math functions:
 - A. Know how to add, subtract, multiply, and divide positive and negative numbers in decimal or fraction form.
 - B. Round numbers
 - C. Order of operation
 - D. Percents, ratios, proportions, and direct/indirect relationships (especially as they apply to the other sections!).
 - E. Convert between and within the metric system.
2. Chemistry
 - A. Sub-atomic particles
 - B. Periodic table
 - I. Rows
 - II. Columns
 - III. What's in the box
 - C. Naming compounds
3. Physics
 - A. Equation of motion
 - B. Compliance (what it is, how you calculate it, what disease states are affected by it)
 - C. Resistance(what it is, how you calculate it, what disease states are affected by it)
 - D. The laws (e.g. Poiseuille's, Fick's, LaPlace's, Dalton's)
 - E. Kinetic Gas Theory
 - F. Converting between different standard conditions
 - G. Converting between different atmospheric pressures
 - H. All the gas laws (Boyle's, Charles's, Gay-Lussac's, Combined)
 - I. Know what they are and what is held constant
 - II. Be able to work through a problem using them

- I. Know how to determine patient's inspiratory flow needs and a device's total flow.
- J. Drug calculations (weight/vol, ratio, % solution, drug dilution, pediatric)
- K. Temperature conversions
- L. Absolute, relative, and body humidity
- M. Duration of cylinders