

RSPT 1050 – EXAM III STUDY GUIDE

- 50 multiple-choice questions
- Mostly from D and E.
 - Module D – Pulmonary Function
 - The lung box. Know it.
 - Know which lung volumes/capacities cannot be determined by simple spirometry.
 - Know which measurement of FRC is considered an open and a closed technique.
 - Know how to distinguish between Obstructive and Restrictive
 - CBABE
 - Normal the normal value for DLCO is 25 mL/min/mmHg.
 - Determination of a FVC, FEV₁ and FEV_{1%} from a volume-time tracing.
 - Calculate pre/post value to determine if bronchodilator is significant.
 - Given a set of pulmonary function data, calculate the percent of predicted values and determine if the data represent an obstructive or restrictive process.
 - Module E – Circulatory System
 - Differentiate between blood, plasma, and serum.
 - Give the normal values for the following:
 - Red Blood Cell Count (RBC)
 - White Blood Cell Count (WBC)
 - Platelets
 - Electrolytes
 - Hematocrit
 - Hemoglobin
 - For each of the types of WBC, list clinical conditions that would cause the level to be elevated.
 - List the anatomical structure of the heart.
 - List the electrical conduction system of the heart and state where each structure is located in the heart.
 - Describe the blood supply to and from the heart muscle.
 - List the branches of the aorta.
 - State the normal (intrinsic) firing rate of the SA and AV node.
 - List the normal value for systolic and diastolic pressures.
 - Calculate mean blood pressure