LAB SESSION 6

**All terminologies, concepts, and figures within each exercise are required (unless otherwise specified).**

EXERCISE 8: RESPIRATORY SYSTEM ANATOMY

Learning Objectives: Following completion of this lab, the student will be able to:

- identify structures and organs of the respiratory system and list the function of each.
- describe the functions of the different parts of the respiratory system.
- recognize the histological characteristics of the trachea and lungs.
- identify the visible respiratory structures on a sheep lung dissection.

Note: You are not responsible for the following:

Figure 4: lingual tonsil; pharyngeal tonsil; opening of auditory tube; thyroid gland
Figure 5c: cuneiform cartilage; corniculate cartilage
Figure 6: annular ligaments of trachea; carina
Figure 7a: all
Figure 7b: seromucous glands in submucosa
Figure 9: all
Figure 10: respiratory bronchiole; terminal bronchiole; erythrocytes in capillary

EXERCISE 9: RESPIRATORY SYSTEM PHYSIOLOGY

Learning Objectives: Following completion of this lab, the student will be able to:

- define ventilation and the different respiratory volumes and capacities.
- describe the physical changes in the thoracic cavity that are responsible for ventilation.
- measure and calculate respiratory volumes and capacities.

Note: You are not responsible for the following:

Table 1: average male and female values for IRV, ERV, IC, FRC, TLC