LAB SESSION 9

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

EXERCISE 14: NERVOUS SYSTEM HISTOLOGY

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

- identify the structures of a neuron and list the functions.
- describe the function and location of neuroglial cells.

**Note:** You are not responsible for the following in the laboratory:

- Nissil bodies
- Figure 14.1
- Figure 14.4
- Figure 14.5

EXERCISE 15: SPINAL CORD AND SPINAL NERVE ANATOMY

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

- identify the gross anatomical structures of the spinal cord.
- describe the location and general function of each component of the white and gray matter of the spinal cord.
- identify the major nerves in the body and list the area of the body each nerve innervates.

**Note:** You are not responsible for the following:

- Figure 15.1: cervical enlargement; lumbar enlargement; subarachnoid space; spinal nerve root; filum terminale; dura mater; arachnoid mater
- Figure 15.2: all
- Table 15.1: iliohypogastric nerve; ilioinguinal nerve; posterior femoral cutaneous nerve; nerve roots
- Figure 15.6: lateral, posterior, and medial cord of brachial plexus; C1 – T1
- Figure 15.7: iliohypogastric nerve; ilioinguinal nerve; posterior femoral cutaneous nerve; T12 – S4