D203 Study Guide

Please use the Learning Resource to answer these questions to ensure you obtain the most accurate information for this exam. Please also do your best to summarize the information in your own words.

Section 1: Body Movement

Skeletal System

What are the functions of the skeletal system? Structure and support.

What is ossification?

Bone remodeling - laying new bone and breaking the old.

What are the differences between the following bone types?

- a. Long: Longer than they are wide (e.g., femur, humerus).
- Short: Cube-ish, approximately equal in length and width (e.g., wrist, ankle).
- c. Flat: Wider and less round (e.g., skull, breastbone, shoulder).
- d. Irregular: Do not fit in other categories (e.g., pharyrx, trachea).
- e. Sesamoid: Small, in joint or near tendons or muscles.

What are some differences between the three joint types?

- a. Immovable: Fibrous; provides stability.
- b. Partly movable: Cartilaginous (e.g., vertebrae).
- c. Movable: Synovial; main functional joint.

Nervous System

What is a neuron and how does this differ from a nerve?

Transmits information via electrical signals throughout the body. Nerves are groups of neurons that send electrical impulses to the brain.

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