Lymphatic System and Immunity Practice Quiz

1. The fluid that is forced out of the capillary beds by hydrostatic and osmotic pressures and into the tissue spaces is called:
   a. arterial blood
   b. venous blood
   c. plasma
   d. interstitial fluid
   e. lymph

2. Lymph flows:
   a. in a circular pattern within the tissues
   b. away from the heart only
   c. toward the heart only
   d. both toward and away from the heart
   e. into the capillaries

3. Lymph from the left arm would return to the heart through the:
   a. inferior vena cava
   b. thoracic duct
   c. right lymphatic duct
   d. left subclavian vein
   e. aorta

4. Which one of the following is NOT a mechanism that aids lymph return:
   a. milking action of skeletal muscles
   b. pressure changes within the thorax
   c. the pumping action of the heart
   d. smooth muscle contractions within the lymphatic vessels
   e. presence of valves within the larger lymph vessels

5. Which lymphoid tissues trap and remove bacteria entering the throat:
   a. axillary lymph nodes
   b. cervical lymph nodes
   c. tonsils
   d. Peyer’s patches
   e. thymus gland
6. Which lymphatic organ’s major job is to destroy worn-out red blood cells and return some of the products to the liver:
   a. tonsils
   b. spleen
   c. thymus gland
   d. appendix
   e. Peyer’s patches

7. The body’s first line of defense against the invasion of disease-causing microorganisms is:
   a. phagocytes
   b. natural killer cells
   c. skin and mucous membranes
   d. inflammatory response
   e. fever

8. Which one of the following is NOT one of the nonspecific body defenses:
   a. intact skin
   b. antibody production
   c. the inflammatory response
   d. fever
   e. natural killer cells

9. The specific type of acquired immunity that a fetus obtains from maternal antibodies that cross the placenta is called:
   a. naturally acquired active immunity
   b. naturally acquired passive immunity
   c. artificially acquired active immunity
   d. artificially acquired passive immunity
   e. naturally acquired artificial immunity

10. This is secreted by plasma cells.
    a. clones
    b. antigens
    c. antibodies
    d. interferons
    e. complements
Solutions

1. C
2. C
3. B
4. C
5. C
6. B
7. C
8. B
9. B
10. C