**HCS 2100 - Infection and Immunity 3**

**Exam Review**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Part A - Lymphatic System**



E

D

A

F

B

C

1. Match the following:

\_\_\_\_ spleen \_\_\_\_ cervical nodes

\_\_\_\_ tonsil \_\_\_\_ inguinal nodes

\_\_\_\_ axillary nodes \_\_\_\_ thoracic duct

2. Matching terms:

\_\_\_\_ lymph node a) found between the two layers of the peritoneum

\_\_\_\_ mesenteric node b) where T cells mature under the influence of

\_\_\_\_ thymus thymosin

\_\_\_\_ tracheobronchial node c) located near the trachea

 d) designed to filter lymph

3. Give 2 functions of the spleen.

4. Give a brief description of the following disorders of the lymphatic system

a) lymphangitis –

b) lymphedema –

c) splenomegaly –

d) lymphoma –

**Part B – Immune system**

Matching

\_\_\_\_ 1. Natural passive immunity

\_\_\_\_ 2. Natural active immunity

\_\_\_\_ 3. Artificial passive immunity

\_\_\_\_ 4. Artificial active immunity

\_\_\_\_ 5. Innate immunity

A) Immunity resulting from receiving an antiserum

B) Immunity resulting from recovering from an illness

C) Immunity resulting from receiving a vaccine

D) Immunity resulting from the transfer of antibodies from mother to fetus

E) Immunity resulting from the genetics passed down from your parents

*Antibody*

*Activation of NK cells*

*Clumping of antigens*

*Neutralization of toxins*

*Antigen*

*Self*

*Invader*

*Anaphylaxis*

*Histamine*

*phagocyte*

6. MHC antigens allow the immune system to identify \_\_\_\_\_\_\_\_\_\_ -antigens.

7. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is when antibodies link together on antigens forming a cluster that phagocytes can ingest.

8. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is when natural killer cells respond to antibodies attaching to cell surfaces and attack the cell.

9. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is when antibodies bind to toxin molecules to prevent damage to cells.

10. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a life-threatening allergic response that can cause problems with breathing and is treated with injectable epinephrine.

11. Allergic reactions involve an \_\_\_\_\_\_\_\_\_\_\_\_\_ - antibody reaction.

12. What are 3 negative effects of stress on the immune system?

13. In an allergic reaction, what do sensitized individuals release in excessive amounts?