

Short Essay Questions on the first week (HEM 210)

1. Define the following:

a. Lymph

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b. Afferent lymph vessels

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c. Efferent lymph vessels

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d. Spleen

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e. Thymus gland

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f. Lymph nodes

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2. Enumerate the structures which produce the lymph cells

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3. Enumerate the sites which no lymph vessels

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5. What areas of the body are drained by the thoracic duct?

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6. What areas of the body are drained by the right lymphatic trunk?

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7. What is the anatomy of thoracic duct (length, beginning, course and end)?

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8. What is the formation of the right lymphatic trunk and its end?

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9. Enumerate the areas supplied by the right lymphatic trunk.

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10. Enumerate the areas supplied by the thoracic duct.

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11. Describe the anatomy of the spleen (morphology, site, relations, blood and nerve supply and lymphatic drainage)

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12. Describe the anatomy of the thymus gland (site, function and blood supply).

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13. Describe the anatomy of the lymph nodes (number, distribution and function).

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14. What is the applied anatomy of the lymph nodes?

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15. What are the functions of the lymphatic system?

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16-Mention functions of the plasma protein.

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17-Mention 4 functions of the blood.

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18-List 2specefic functions of each (fibrinogen – globulin- albumin).

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19-List factors affecting hematopoiesis.

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20-Enumerate functions of RBCs membrane.

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21-List functions of red blood cells.

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22. Mention how the structure of RBCs adapt its function?

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23. Mention 2 histological differences between:

RBCs and WBCs

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24. Mention the ABO blood groups and their corresponding antigens and antibodies.

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25.Mention the two main types of lymphocytes and their primary roles in immunity.

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26.Define:

A. Septicemia.

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B. Fever of unknown origin.

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27.Mention TWO modes of transmission and TWO diseases caused by *Francisella tularensis*.

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28.Mention the causative pathogen, mode of transmission and laboratory diagnosis of pneumonic plague.

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29-Enumerate difference between three Types of reactive hyperplasia.

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30-Enumerate Microscopic features of TB. Lymphadenitis.

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Good Luck