

### **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 2 specific 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**