



1. Enumerate blood cells:

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2. Enumerate abnormal shapes of RBCs:

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3. Mention diameter of RBCs in the following:

Macrocytic anemia	
Microcytic anemia	
Anisocytosis	

4. Mention the color of the following

Fresh, single RBC	
A drop of blood	

5. Compare between the color of the following:

RBCs with normal HB	RBCs with less HB	RBCs with more HB

6. Mention the structure of RBCs:

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7. Give a short account about adaptation of RBCs to its function?

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8. Enumerate granular leucocytes:

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9. Enumerate non-granular leucocytes:

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10. Compare between eosinophils and basophils regarding the following:

	Eosinophils	Basophils
Percentage		
Nucleus		
Cytoplasm		
Functions		





11. Enumerate functions of neutrophils:

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12. Mention types of granules present in neutrophils by EM?

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13. Compare between small lymphocytes and large lymphocytes regarding the following:

	Small lymphocytes	Large lymphocytes
Size		
Nucleus		
Cytoplasm		

14. Mention EM of monocytes:

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15. Compare between T lymphocytes and B lymphocytes regarding the following:

	T lymphocytes	B lymphocytes
Development		
Percentage		
Function		
Life span		

16. Mention types of granules present in platelets by EM:

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17. Compare between red bone marrow and yellow bone marrow regarding the following:

	Red bone marrow	Yellow bone marrow
Sites		
Functions		





18. Mention the structure of red bone marrow:

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19. Enumerate the steps of erythropoiesis:

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20. Compare between the following:

	Proerythroblasts	Basophilic erythroblasts
Nucleus		
Cytoplasm		





21. Enumerate the steps of granular leucocytes development:

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22. Compare between the following:

	Myeloblasts	Promyelocytes
Nucleus		
Cytoplasm		

23. Mention the mechanisms of platelet formation:

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24. Enumerate the lymphoid tissues:

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**25. Compare between the following:**

Primary lymphatic follicle	Secondary lymphatic follicle

26. Enumerate parenchymal cells present in lymphatic follicles:

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27. Give a short account about the parenchyma of lymph nodes:

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28. Enumerate functions of lymph nodes:

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29. Compare between the following:

White pulp of spleen	Red pulp of spleen



30. Define splenic cords:

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31. Compare between the following:

	Lymph node	Spleen
Capsule		
Trabeculae		
Parenchyma		
Lymphatic follicles		
Sinuses		
Cells		





32. Enumerate functions of spleen:

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33. Compare between the following:

	Palatine tonsils	Pharyngeal tonsils
Number		
Site		
Covering epithelium		

34. Enumerate functions of tonsils:

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35. Enumerate the cells of thymus gland cortex:

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36. Give a short account of Hassall's corpuscles:

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37. Enumerate the layers of the thymus barrier:

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38. Enumerate functions of thymus gland:

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DR/ Elsaheed

