

Unit Three C18 Hot List Questions

1. What is plasma? What do you remove to turn plasma into serum?
2. Hematocrit's significance?
3. What are plasma proteins? Where made? Significance?
4. Osmolarity significance?
5. Rank granulocytes and agranulocytes? Formed elements in each group?
6. Function of each formed element?
7. Hemopoiesis? Role of pluripotent stem cell and colony forming units?
8. About RBC: structure and function, size, formed how and where, how long to produce, stimulus to produce, lifespan, why they die, where they die, two proteins lost to make RBC brittle and inflexible
9. Hemoglobin structure and function, role of iron
10. Significance of intrinsic factor, produced where, disease caused by lack of IF
11. Polycythemia, primary vs secondary, when is erythropoietin absent?
12. What is anemia?
13. What is hemostasis? Three steps to complete hemostasis? Role of platelets?
Where are 40% of platelets stored? Significance?
14. Events of coagulation? Role of thrombin? Extrinsic vs intrinsic pathways?
Difference?
15. Blood typing? Universal donor vs universal recipient? Types of antigens? Antibody type? Most common ABO? Rarest ABO?