The following is a list of major items that we have covered in Chapter 19. IMPORTANT NOTE: This list is not exhaustive. You are responsible for everything we have covered in lecture. Use this list to make sure your notes are complete. DO NOT use this sheet as your only means of studying for the exam.

**Functions of the blood**
- Erythrocytes-structure & function
- Leucocytes-5 types, structure & function of each
- Thrombocytes-structure & function
- Plasma
- Water--functions
- Plasma proteins-3 types, function of each
- Hemopoiesis---stages
- Stem cells
- Cytokines
- Hemopoietins
- Hemostasis
- Vascular spasm
- Platelet plug/Platelet release reaction
- Clotting reaction---steps involved
- Blood types--ABO, Rh systems
- Antigens
- Antibodies
- Hemolytic disease of the newborn
- Anemia
- Polycythemia
- Hematocrit
- Reticulocyte count
- Leukemia – acute & chronic
- Hemophilia
- Thrombosis/Embolism