

## **IBL - Midterm**

1- Which of the following globins is commonly associated with early-onset emphysema?

**Answer: Alpha-1 antitrypsin deficiency .**

2-Which plasma protein binds to extracorporeal hemoglobin for transport to the liver?

**Answer: Haptoglobin.**

3-Where does hematopoiesis occur during the last trimester and after birth?

**Answer: All red bone marrow.**

4- What condition is indicated by a decreased albumin-to-globulin ratio?

**Answer: Infection.**

5-What structural feature of RBCs helps prevent rupture under stress?

**Answer: Biconcave membrane.**

6-Where are beta granules of platelets derived from?

**Answer: Mitochondria.**

7- What is the main component of inactive (yellow) bone marrow?

**Answer: Fat cells.**

8-Which cell has a role in the development of platelets?

**Answer: Megakaryocyte.**

9- What is the process called in which autoreactive cells that recognize and efficiently bind self-peptides undergo apoptotic cell death to prevent harm to the host?

**Answer: Negative selection.**

10-Which of the following is a characteristic of Class II MHC molecules?

**Answer: Lysosomal proteases.**