

1. Please describe the interrelationships among blood pressure, blood flow, and peripheral resistance in the circulatory system. (10%)
2. Please describe the action of steroid hormone on the genes to produce protein synthesis. (15%)
3. Please describe the Starling equilibrium for capillary exchange. (15%)
4. Please describe the oxygen-hemoglobin dissociation curve. (15%)
5. Please describe the concept of the dominant hemisphere in cerebral cortex. (10%)
6. Please describe the cellular mechanism of sodium absorption from the intestine. (13%)
7. Please describe the rennin-angiotensin-vasoconstrictor mechanism for arterial pressure control. (12%)
8. Please describe the function of adrenal medulla. (10%)