

Homework Assignment – Module 10

1. [15 points] With reference to the term “mean circulatory pressure” ...
 - A. What is the definition of the term?
 - B. If all other physiological variables remain the same, how (increase, decrease, remain the same) is mean circulatory pressure affected by a change in venous compliance? Briefly explain.
 - C. If all other physiological variables remain the same, how (increase, decrease, remain the same) is mean circulatory pressure affected by a change in circulating blood volume? Briefly explain.
2. [20 points] If drawn on the same set of axes, what is the significance of the point at which the vascular function curve and the cardiac function curve intersect?
3. [20 points] Sketch a vascular function curve and a cardiac function curve on a common set of axes. Show (sketch) and briefly explain the effect(s) of systemic (i.e., whole body) sympathetic stimulation.