

## 439 SAMPLE TEST QUESTIONS

1. Sympathomimetic drugs are a class of drugs used in cardiac emergencies to "mimic" or imitate the activation of the sympathetic adrenergic nervous system. Administration of these types of drugs may result in:
  - a. a reduction in the cardiovascular system's capability to increase heart rate
  - b. a reduction in the cardiovascular system's capability to increase cardiac output
  - c. an increase in mean arterial pressure
  - d. both a and b
  - e. both b and c
  - f. none of the above
  
2. A sudden drop in cardiac output caused by an acute myocardial infarction involving the lateral wall of the left ventricle would most likely result in:
  - a. an immediate increase in mean arterial pressure
  - b. an immediate increase in the firing rate of the aortic arch baroreceptors
  - c. an eventual if not immediate decrease in left ventricular filling pressure
  - d. both a and b
  - e. both b and c
  - f. none of the above
  
3. As a result of beginning an endurance exercise treadmill protocol of moderate intensity, with the intensity (workload or power output) increasing as time passes.....
  - a. blood flow to exercising muscle will be directly altered by parasympathetic nerves
  - b. parasympathetic influences on the cardiovascular system will be reduced
  - c. an "oxygen deficit" will be incurred
  - d. both a and c
  - e. both b and c
  - f. all of the above
  
4. A significant drop in pulmonary artery pressure.....
  - a. could possibly indicate a blockage in one or more of the smaller pulmonary arterial branches (such as might result from a pulmonary embolism)
  - b. could result from a significant increase in venous return
  - c. could result from a 12 -16 week endurance exercise program
  - d. both a and b
  - e. both b and c
  - f. none of the above
  
5. A significant increase in left atrial pressure.....
  - a. could be a result of both acute heart failure or chronic heart failure
  - b. may result in a drop in arterial oxygen saturation
  - c. may result in pulmonary edema
  - d. both a and b
  - e. all of the above
  
6. A 12 - 16 week endurance exercise training program will most likely result in.....
  - a. a reduced chance of clot formation
  - b. an increase in HR and an increase in SV for any submaximal power output.
  - c. a reduced RER for any power output
  - d. both a and c
  - e. none of the above

### ANSWERS:

1. c
2. f
3. e
4. f
5. e
6. d