Chapters 6 Study Questions

1. Compare and contrast some normal signs and symptoms you might see during an exercise test to abnormal signs and symptoms.

2. Would you expect to see a higher or lower systolic blood pressure response in an older subject compared to a younger subject? How about diastolic blood pressure?

3. What could it indicate if heart rate does not increase with increasing work load?

4. What could it indicate if a client's resting blood pressure is fine, but during exercise it increases to beyond 225/90?

5. What could it mean if the systolic blood pressure decreases with increase in work load? What should you do if you see if fall > 10 mmHg during a test?

6. Compare the delta heart rate response in a CAD patient to a healthy subject.

7. What does the pulse pressure product measure? How does it change during exercise in a patient with heart disease? In a healthy subject?

8. Give one reason why it might be useful to measure cardiac output during exercise. Name one method to do this?

9. What happens to stroke volume during exercise: supine and upright exercise.

10. What happens to VO2max in a patient with CAD?

11. Is the (a-v)O_2 difference bigger or smaller than normal in a patient with CAD?

12. Is stroke volume bigger or smaller than normal in a patient with severe left ventricular disease?

13. What could an elevated anaerobic threshold indicate?

14. What is O2 pulse and what would it indicate if you got a blunted increase during exercise?

15. What might it indicate if the systolic time interval is prolonged?

16. What causes the second heart sound? What does it mean if you hear 2 sounds (double click) instead of one at the time of the cardiac cycle when you should hear the second heart sound? What could it mean if you hear a 3rd or a 4th heart sound?