

1. What are the differences in the injuries to the anterior (ACL) and posterior (PCL) cruciate ligaments regarding their 1) mechanism of injuries, 2) major diagnostic tests and 3) physical therapy management? (25 points)

2. Mr. Wang comes to you with a diagnosis of shoulder impingement syndrome. What are the causes and principles of management for the shoulder impingement syndrome? (25 points)

3. Please answer one of the following three questions. (20 points)
 - (1) What are the clinical symptoms and signs of children with developmental coordination disorder? How do you assess their motor function?
 - (2) What are the clinical symptoms and signs of patients with complete spinal cord injury at L2? What aspects of motor function will you assess?
 - (3) What are the clinical symptoms and signs of patients with chronic obstructive pulmonary disease? What are your treatment goals and approaches?

4. Please answer two of the following four questions. (30 points, each for 15 points)
 - (1) Describe the rationale of constrained-induced movement therapy and its current clinical application.
 - (2) Describe the rationale of body-weight-support treadmill training and its current clinical application.
 - (3) Describe the definition of motor learning and the factors of influencing effect of motor learning
 - (4) Describe the four considerations in planning of an aerobic exercise.