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Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY **2 X 20 = 40 Marks**

1. Identify and explain the principles of musculoskeletal assessment process
2. What is exercise stress testing? What are the indications and methods of stress testing? What are the criteria for termination of exercises? Describe the observation to make during stress test and the interpretation of the exercise test.

SHORT ESSAY **6 X 10 = 60 Marks**

3. Describe the assessment procedure for a patient with pulmonary disease.
4. What are the typical EMG and NCV findings with peripheral nerve lesions, myopathy and motor neuron disease?
5. Describe and analyse in a sagittal plane the common gait deviations at Knee during the stance phase and mention the possible causes.
6. Explain the components of muscular fitness. Describe the methods of assessing the same
7. Outline a general parallel bar progression that would be appropriate for a patient preparing to use a partial weight bearing crutch gait.
8. Describe the specific purposes for assessing pulmonary function. What are the principles of measurement?

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