

1. Explain the normal physiology of muscle structure.
2. Describe the structures of Knee joint and Write any three special tests to check the instability of knee joint.
3. Explain Force of friction and relevant biomechanics in any one disease condition.
4. Explain the Determinants of gait.
5. Mention any two disease conditions which cause foot drop. Mention the peripheral nerve and muscle involved in case of LMN lesion.
6. Describe the techniques of measurement of Range of Motion (ROM).
7. Define the Posture and further describe the types of posture, control, kinetics and kinematics of posture.
8. Explain appropriately about pathomechanics in the process of Prolapsed Intervertebral Disc.
9. Explain sliding Filament theory.
10. Explain the difference between AROM and ROM in shoulder Joint ailment.

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