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School of Medical and Allied Sciences

Master of Physiotherapy Specialization in Orthopedics

Semester End Examination - May 2024

Duration : 180 Minutes

Max Marks : 100

Sem IV - MPTM6009 - Spinal RehabilitationGeneral Instructions*Answer to the specific question asked**Draw neat, labelled diagrams wherever necessary**Approved data hand books are allowed subject to verification by the Invigilator*

- 1) Recall accessory motion of vertebrae. K1 (2)
- 2) Plan Physiotherapy Management for piriformis syndrome. K2 (4)
- 3) Explain Anterior cord syndrome. K2 (6)
- 4) Outline the components of pre-operative preparation for spinal cord injury surgeries. K3 (9)
- 5) Summarise how degenerative disc disease contributes to structural changes in the spine. K3 (9)
- 6) Describe the biomechanical significance of the spinal curvatures (cervical lordosis, thoracic kyphosis, lumbar lordosis). K5 (10)
- 7) Explain the primary functions of the vertebral column in the human body. K4 (12)
- 8) Propose how soft tissue injuries contribute to structural changes in the spine over time. K5 (15)
- 9) Differentiate between stable and unstable spinal fractures. K5 (15)
- 10) Discuss the clinical presentation and management options for Lumbar Vertebrae segmental instability. K6 (18)