

0623E186

Candidate's Seat No : 10074

Master of Physiotherapy Examination

Advanced Therapeutics I & II

Physiotherapy in Orthopedics

Date : 28-06-2023, Wednesday]  
Time : 3 Hours]

[Max. Marks : 100

Instructions : (1) Figure to the right indicate marks.  
(2) Write legibly  
(3) Draw diagrams wherever necessary.

1. Describe the types of total knee replacement and management for 65 year old, overweight female. [20]
2. Discuss Recent advances in pain management and any two patient rated outcome measures ( PROM) used to evaluate pain. [20]
3. Describe the types of bladder dysfunction and add a note on management of Autonomous (Lower Motor Neuron type) bladder. [20]
4. Common Yoga Asanas for back pain. [20]
5. Explain the theories of motor learning and their application in physiotherapy. [20]

Describe the different training strategies used to promote motor learning and recovery in patients with neurological and musculoskeletal disorders.

---

1/51

0623E159

Candidate's Seat No : 10017

**Master of Physiotherapy Examination**  
**Physical & Functional Diagnosis I & II**  
**Physiotherapy in Orthopedics**

**Date : 26-06-2023, Monday]**  
**Time : 3 Hours]**

**[Max. Marks : 100**

- Instructions :** (1) Figure to the right indicate marks.  
(2) Write legibly.  
(3) Draw diagrams wherever necessary.

1. What are the types of nerve injury. Explain the importance of Nerve Conduction studies in Radial nerve palsy. Add a note on F response and H reflex. [20]
  2. Write in detail about anthropometric measurements [20]
  3. Write down the role of early intervention in developmental screening in paediatrics [20]
  4. Write about physical fitness assessment. [20]
  5. Explain the importance of Pulmonary Function Test in assessing function for Obstructive and Restrictive respiratory conditions. [20]
-

0623E197

Candidate's Seat No : 10017

**Master of Physiotherapy Examination**

**Elective Paper in**

**Physiotherapy in Orthopedics**

**[30-06-2023, Friday]**

**[Max. Marks : 100]**

**[3 Hours]**

- Instructions :** (1) Figure to the right indicate marks.  
(2) Write legibly.  
(3) Draw diagrams wherever necessary.

1. Evaluate the role of physiotherapy in the Rehabilitation of hand injuries. Discuss the importance of functional assessment and different methods available for assessment of hand. [20]
  2. Critically evaluate the use of manual therapy in the management of musculoskeletal disorders. Discuss the effectiveness of soft tissue manipulations, mobilizations and neural mobilizations. [20]
  3. Write the importance of Community based rehabilitation for community dwelling 75-year-old man. [20]
  4. Describe the pathophysiology and pathomechanics of knee joint in Osteoarthritis of knee. [20]
  5. A 38-year-old housemaid, presenting with chief complaints of early morning stiffness, deformity of fingers bilaterally, pain and swelling in both the wrist joints. Discuss the probable diagnosis and physiotherapy management. [20]
-

0623E139

Candidate's Seat No. 10011

Master of Physiotherapy Examination  
Basic Science in  
Physiotherapy in Orthopedics

Date : 23-06-2023, Friday]

Time : 3 Hours]

[Max. Marks : 100

- Instructions :** (1) Figure to the right indicate marks.  
(2) Write legibly.  
(3) Draw diagrams wherever necessary.

1. Enumerate and explain in detail the type of Electrodiagnostic Studies used in Peripheral Nerve Injury. [20]
  2. Discuss the kinematics and kinetics of human gait and how gait analysis can be used in clinical practice. [20]
  3. Explain the principles of Randomized Controlled Trials and discuss the challenges and limitations of implementing them in clinical research. [20]
  4. Discuss the principles of hypothesis testing and steps involved in conducting a hypothesis test. [20]
  5. Discuss the physiological and psychological factors that influence exercise adherence and strategies to promote adherence. [20]
-