

0623E186

Candidate's Seat No. 10013

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.

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

Date : 26-06-2023, Monday]

[Max. Marks : 100

Time : 3 Hours]

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 [20] studies in Radial nerve palsy. Add a note on F response and H reflex.
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 [20] Obstructive and Restrictive respiratory conditions.

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. 12345678

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]