

57004

M.P.Th. (Musculoskeletal Physiotherapy) (2012) Examination, Winter 2018
ADVANCE IN MUSCULOSKELETAL PHYSIOTHERAPY (Part – II) – IV

Total Duration : 3 Hours

Total Marks : 100

Instructions : 1) Use **blue/black** ball point pen only.

2) **Do not** write anything on the **blank portion of the question paper**.
If written anything, such type of act will be considered as an attempt to resort to unfair means.

3) **All** questions are **compulsory**.

4) The number to the **right** indicates **full** marks.

5) Draw diagrams **wherever** necessary.

6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.

7) **Use** a common answer book for **all** Sections.

1. Long answer question :

(1×30=30)

Enumerate the common causes of Brachial plexus injury and describe in detail the assessment and physiotherapy management of the same.

2. Long answer question :

(1×30=30)

Discuss the various mechanisms causing sports injuries around knee joint and it's rehabilitation.

3. Short answer question (**any four** out of five) :

(4×10=40)

- Explain various shoulder stability tests, and it's validity and reliability
- Discuss claw hand and it's management
- Describe recent advances in gait training
- Explain plyometrics in rehabilitation
- Describe force alteration in relation to variation with Q angle



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1. Long answer question : (1×30=30)

Plan a training protocol for a long distance runner and describe the physiotherapy management for common injuries in them.
 2. Long answer question : (1×30=30)

Evidence based practice for effective assessment and management of patients with PCL reconstruction.
 3. Short answer question (**any four** out of five) : (4×10=40)
 - a) Problems faced by adolescent athletes.
 - b) Recent advances in pain evaluation and management.
 - c) Assessment and management of a two year old child with CTEV.
 - d) Recent advances in Manual Therapy.
 - e) Ergonomics in Musculoskeletal dysfunction of lower quadrant.
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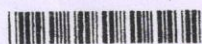
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1. Long answer question : (1×30=30)
Discuss advances in Neurodynamics and neural mobilization with respect to radiating pain in the posterior region of thigh.
 2. Long answer question : (1×30=30)
Compare the role of various manual therapy techniques in treatment of stiff knee.
 3. Short answer question (**any four** out of five) : (4×10=40)
 - a) Pes planus and pes cavus deformities
 - b) Dry needling
 - c) Importance of Core stabilization
 - d) Compare rigid taping and kinesiotaping in lower extremity dysfunction
 - e) Common sport related injuries in children.
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7) **Use** a common answerbook for **all** Sections.

1. Long answer question : (1×30=30)

Discuss the pathophysiology and pathomechanics of lumbar spine dysfunction and therapeutic considerations in management of the same.

2. Long answer question : (1×30=30)

Describe with recent advances, physiotherapy management following ACL reconstruction in an elite football player.

3. Short answer question (**any four** out of five) : (4×10=40)

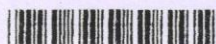
a) Neurodynamic assessment.

b) Compare traditional core strengthening with Pilates training.

c) Describe hip abductor mechanism, its clinical application and orthotic prescription.

d) Rationale of Myofascial release in musculoskeletal disorders.

e) Discuss physiotherapy management of chronic ankle sprain.



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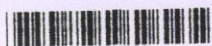
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 - 7) Use a common answerbook for **all** Sections.

1. Long answer question : (1×30=30)
Discuss principles of management of knee injuries during sports. Write about adolescent knee injuries and treatment.
 2. Long answer question : (1×30=30)
Discuss advances in neuro-dynamic management with reference to pain radiating to lower extremity.
 3. Short answer question (**any four** out of five) : (4×10=40)
 - a) Principles of stretching in relation to prevention of injury and performance.
 - b) Assessment of scoliosis.
 - c) Rationale of Myofascial Release in musculoskeletal conditions.
 - d) Floor Reaction Orthosis.
 - e) Occupational hazards in shopkeepers.
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7) **Use** a common answerbook for **all** sections.

1, Long answer question :

(1×30=30)

Application of neurodynamics in lumbar radiculopathy.

2, Long answer question :

(1×30=30)

Discuss mechanisms and management of ankle sprain in a basketball player.

3, Short answer question (**any four** out of five) :

(4×10=40)

a) Compare the use of open kinematic chain and close kinematic chain exercises.

b) Assessment findings for early Ankylosing spondylitis patient and its physiotherapy management.

c) Importance of hip muscle strengthening in osteoarthritis of knee.

d) Taping techniques.

e) Pathomechanics of patellectomy and its management.
