



57002

**M.P.Th. (Musculoskeletal Physiotherapy) (2012)**  
**Examination, Winter 2018**  
**APPLIED PHYSIOTHERAPEUTICS (Part-II) – II**

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 answerbook for **all** Sections.

1. Long answer question : (1×30=30)

Discuss arthro-kinesiological implications of aging and its effects on posture and gait.

2. Long answer question : (1×30=30)

Discuss principles and rationale of neuro-therapeutic skills in persons with stroke.

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

- a) Explain ethics in Physiotherapy practice.
  - b) Discuss importance of audio-visual aids.
  - c) Describe outcome measures used for knee conditions.
  - d) Discuss the importance of International Classification of Functioning for treatment plan.
  - e) Explain advantages and disadvantages of PowerPoint Presentations.
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  - 7) **Use** a common answerbook for **all** Sections.

1. Long answer question : (1×30=30)  
Describe changes occurring in the musculo skeletal system with ageing and plan a programme for healthy ageing.
  2. Long answer question : (1×30=30)  
Discuss the various neurophysiological approaches to improve musculoskeletal health.
  3. Short answer question (**any four** out of **five**) : (4×10=40)
    - a) Importance of nerve conduction studies.
    - b) Ethics in Physiotherapy practice.
    - c) Importance of documentation in ICF format.
    - d) Any two scales for quality of life evaluation.
    - e) Small group teaching methods.
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  - 7) Use a common answerbook for **all** Sections.

1. Long answer question : (1×30=30)  
Describe electrophysiological tests used to diagnose level of lesion in patients with lower extremity neurological symptoms.
  2. Long answer question : (1×30=30)  
Discuss the rationale and principles of various neurotherapeutic skills used in the treatment of musculoskeletal dysfunction.
  3. Short answer question (**any four** out of five) : (4×10=40)
    - a) Types of error in sampling.
    - b) Describe three scales used as outcome measures in evaluation of back disorders.
    - c) Advances in electrotherapy for pain relief.
    - d) Describe the steps in Evidence Based Practice.
    - e) Importance of documentation in ICF format.
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  - 7) Use a common answerbook for **all** Sections.

1. Long answer question : (1×30=30)  
Discuss the rationale of various manual therapy techniques used in treatment of chronic low backache.
  2. Long answer question : (1×30=30)  
Discuss 'Exercise an important tool in treatment of arthritis'.
  3. Short answer question (**any four** out of five) : (4×10=40)
    - a) Ethics in physiotherapy practice.
    - b) Muscle Energy Technique.
    - c) Hand splints.
    - d) Training programme for national level swimmer.
    - e) PTB prosthesis.
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  - 7) Use a common answerbook for **all** Sections.

1. Long answer question (1×30=30)  
Discuss the role of electrodiagnosis in localizing the level of peripheral nerve lesion.
  2. Long answer question (1×30=30)  
Write an essay on Musculoskeletal problems in geriatric population.
  3. Short answer question (**any four** out of five) : (4×10=40)
    - a) Management of pain in cervical radiculopathy.
    - b) Principles of curriculum planning.
    - c) Ergonomic advice for low backache.
    - d) PWD Act.
    - e) Core muscle stabilization using Swiss ball.
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  - 7) **Use** a common answerbook for **all** sections.

1. Long answer question : (1×30=30)  
Describe various electrodiagnostic tests used in neuromuscular disorders and their importance.
2. Long answer question : (1×30=30)  
Neural tissue mobilisation assessment and treatment techniques used in low back pain.
3. Short answer question (**any four** out of five) : (4×10=40)
  - a) Outcome measures used to decide ankle disability.
  - b) Problems faced for conducting clinical trials in india.
  - c) Parametric and non parametric tests.
  - d) LASER in myofascial pain syndrome.
  - e) Evaluation methods for students performance.