



57121

**M.P.Th. (Community Physiotherapy) (2012)
Examination, Winter 2018
APPLIED PHYSIOTHERAPEUTICS (Part – I) – I**

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)
Describe various Manual Therapy techniques used in Physiotherapy with clinical rationale.
 2. Long answer question : (1×30=30)
Elaborate upon the significance of MET value for Exercise prescription.
 3. Short answer question (**any four** out of five) : (4×10=40)
 - a) Parametric and Nonparametric tests in biostatistics.
 - b) Characteristics of a good Hypothesis.
 - c) Application of Diet and fitness program for elderly population.
 - d) Altered biomechanics of Patello Femoral joint with Osteo Arthritis.
 - e) Writing a Research proposal.
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1. Long answer question : (1×30=30)
Discuss fitness training program incorporating sports & nutrition for teenager group.
 2. Long answer question : (1×30=30)
Technique and principles of Neural Tissue Mobilization.
 3. Short answer question (**any four** out of five) : (4×10=40)
 - a) Questionnaire Design.
 - b) Parametric and non-parametric tests.
 - c) Epidemiology.
 - d) Quality of Life.
 - e) Writing a research proposal.
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No Change



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1. Long answer question : (1×30=30)
Discuss kinetics and kinematics of knee joint and explain rehabilitation program for unilateral below knee amputee.

 2. Long answer question : (1×30=30)
Write an essay on health promotion in menopausal women population.

 3. Short answer question (**any four** out of five) : (4×10=40)
 - a) Principles of soft tissue mobilization.
 - b) Importance of Reliability and Validity in research.
 - c) Types of studies.
 - d) Quality of life.
 - e) Significance of MET value for exercise prescription.
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 - 7) **Use** a common answerbook for **all** Sections.

1. Long answer question : (1×30=30)
Discuss principles of national Health care Delivery system.
 2. Long answer question : (1×30=30)
Discuss role of soft tissue mobilization techniques for pain relief.
 3. Short answer question (**any four** out of five) : (4×10=40)
 - a) Biomechanics of patellofemoral joint and its clinical importance.
 - b) Describe Orthotic appliances for upper limb and explain rehabilitation program for radial nerve palsy.
 - c) Sampling techniques.
 - d) Parametric and non-parametric tests.
 - e) Critical appraisal of research article.
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1. Long answer question : (1×30=30)
Principles of health care in the community.

 2. Long answer question : (1×30=30)
Discuss fitness exercise program for health promotion in community.

 3. Short answer question (**any four** out of five) : (4×10=40)
 - a) Ergonomics for geriatric population at home
 - b) Data collection
 - c) Occupational health and related disorders
 - d) Describe types of Rehabilitation
 - e) Management of Obesity in hypertensive population.
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 - 7) **Use** a common answer book for **all** sections.

- 1, Long answer question : (1×30=30)
Discuss the various manual therapy approaches used to assist joint mobility.
- 2, Long answer question : (1×30=30)
Explain health awareness. How Physiotherapist can improve it in community ?
- 3, Short answer question (**any four** out of five) : (4×10=40)
 - a) Sampling techniques.
 - b) Diet for prevention of osteoporosis.
 - c) Altered biomechanics of Hip joint due to coxa vara.
 - d) Importance of literature search.
 - e) Evidence based clinical practice.