

57001

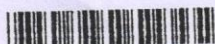
M.P.Th. (Musculoskeletal Physiotherapy) (2012)
Examination, Winter 2018
APPLIED PHYSIOTHERAPEUTICS (Part – I) – I

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)
Discuss principles of exercise prescription in persons with Diabetes Mellitus.
 2. Long answer question : (1×30=30)
Write on recent advances in Neurodynamics and give its relevant evidences.
 3. Short answer question (**any four** out of five) : (4×10=40)
 - a) Explain Sampling techniques
 - b) Describe Health promotion in women of age group 50-60 years.
 - c) Explain Performance related fitness training for a Badminton player.
 - d) Describe Ergonomic advice to individuals with Forward Head Posture.
 - e) Explain Dietary considerations for weight reduction.
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 - 7) **Use** a common answerbook for **all** sections.

1. Long answer question : (1×30=30)
Application of Exercise Physiology principles in management of movement dysfunction related to musculoskeletal disorders. Discuss with examples.
 2. Long answer question : (1×30=30)
Analyse the effect of hip pathology on gait and discuss management for the same.
 3. Short answer question (**any four** out of five) : (4×10=40)
 - a) Describe study designs used in Research Methodology.
 - b) Fitness promotion in school children.
 - c) Importance of nutrition and energy conservation in patients with Rheumatoid arthritis.
 - d) Describe the postural changes which occur in teenage population.
 - e) Discuss the theories of motor control.
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7) Use a common answerbook for **all** Sections.

1. Long answer question : (1×30=30)
Discuss neuro-physiological approaches in the management of musculo-skeletal dysfunction.
 2. Long answer question : (1×30=30)
Discuss different factors affecting fitness in working women. Explain ways of improving fitness in them.
 3. Short answer question (**any four** out of five) : (4×10=40)
 - a) Weight reduction in childhood obesity.
 - b) Hip abductor mechanism and its clinical application.
 - c) Reliability and validity.
 - d) Compare and contrast Concentric and Eccentric Training with clinical relevance.
 - e) Above knee prosthesis.
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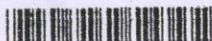
M.P.Th. (Musculoskeletal Physiotherapy) (2012)
Examination, Summer 2017
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 - 7) **Use** a common answerbook for **all** Sections.

1. Long answer question : (1×30=30)
Describe the prehensile function of the hand and patho-mechanics of Rheumatoid hand.
 2. Long answer question : (1×30=30)
Describe the Ergonomic evaluation and treatment strategies used in low back pain of mechanical origin.
 3. Short answer question (**any four** out of five) : (4×10=40)
 - a) ICF in Indian clinical scenario.
 - b) Physical fitness in geriatric population.
 - c) Spinal orthosis.
 - d) Significance of reliability and validity in research.
 - e) Role of yoga in physiotherapy.
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7) **Use** a common answerbook for **all** sections.

1. Long answer question :

(1×30=30)

Discuss the gait analysis of patients with common malalignments of the lower extremities.

2. Long answer question :

(1×30=30)

Discuss regarding role of aerobic and anaerobic mechanisms during exercise and effect of steady level exercises on cardiorespiratory and other parameters in healthy subjects.

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

(4×10=40)

- a) Criteria for prosthesis prescription in an above knee amputee.
 - b) Musculoskeletal fitness testing in athletes.
 - c) Dietary considerations in a patient with paraplegia.
 - d) Sampling techniques in research.
 - e) Neurophysiological basis of therapeutic exercises.
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7) **Use** a common answerbook for **all** sections.

1, Long answer question : (1×30=30)

Describe the Principles of exercise prescription for enhancing strength in children.

2, Long answer question : (1×30=30)

Discuss in detail factors governing fitness promotion in geriatric population.

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

a) Fatigue assessment.

b) Importance of literature review in research.

c) Describe reliability validity and sensitivity of the test.

d) Importance of Oxygen debt.

e) Gait deviation associated with ageing.
