



51021

M.P.Th. (Neurosciences) (Old), Winter 2015
APPLIED PHYSIOTHERAPEUTICS(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 answer book for all sections.

LAQ :

(1x30=30)

1. Discuss manual therapy for spastic children.

LAQ :

(1x30=30)

2. Discuss biomechanics of shoulder complex in stroke patients.

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

(4x10=40)

- a) Nutrition for the elderly.
 - b) Therapeutic exercises for trunk stability using swiss ball.
 - c) Cumulative trauma disorder.
 - d) Orthosis for paralytic hand.
 - e) Sports for paraplegics.
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51022



M.P.Th. (Neurosciences) (Old), Winter 2015
APPLIED PHYSIOTHERAPEUTICS(II) - II

Total Duration : 3 Hours

Total Marks : 100

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 - 7) Use a common answerbook for all sections.

LAQ :

1. Discuss role of E.M.G. and N.C.V in electrodiagnosis. (1x30=30)

LAQ :

2. Discuss various electrotherapeutic modalities for wound healing. (1x30=30)

3. Short answer question (any four out of five) : (4x10=40)

- a) Audio-visual aids for teaching.
- b) Ethics in physiotherapy practice.
- c) Principles of curriculum planning.
- d) Significance of rolling as a developmental milestone.
- e) Designing a Neurophysiotherapy department.



51023

M.P.Th. (Neurosciences) (Old), Winter 2015
ADVANCES IN PHYSIOTHERAPY IN NEUROSCIENCES(I) - III

Total Duration : 3 Hours

Total Marks : 100

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

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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.

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7) Use a common answerbook for all sections.

LAQ :

1. Discuss the development of posture in a normally developing child. write a note on the development of postural reactions. (1x30=30)

LAQ :

2. Discuss the role of Physiotherapy in Progressive neurological conditions and add a note on management of terminally ill patients. (1x30=30)

3. Short answer question (**any four** out of five) : (4x10=40)

- a) Write a note on Theories of motor control.
- b) Write a note on outcome measures for Assessment of gross motor function.
- c) Development of hand function in humans.
- d) The Roods approach.
- e) Write a note n Neuroplasticity.



51024



M.P.Th. (Neurosciences) (Old), Winter 2015

ADVANCES IN PHYSIOTHERAPY IN NEUROSCIENCES(II) - IV

Total Duration : 3 Hours

Total Marks : 100

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 - 4) The number to the **right** indicates **full marks**.
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 - 7) Use a common answer book for all sections.

LAQ :

1. Discuss principles and rationale of assistive devices used in spastic cerebral palsy children from the earliest stage of disease to the point of functional independence in adulthood. (1x30=30)

LAQ :

2. Discuss role of physiotherapy in Neonatal Intensive Care Unit. (1x30=30)
3. Short answer question (**any four** out of five) : (4x10=40)
 - a) Describe the importance of support groups for patients with neurological problems.
 - b) Write a note on legal rights for disabled in India.
 - c) Principles of management of terminally ill patients.
 - d) Write a note on challenges in management of Parkinson's patients.
 - e) Principles of disability evaluation.



51021

M.P.Th. (Neurosciences) (Old) Examination, Summer 2015
APPLIED PHYSIOTHERAPEUTICS (I) – I

Total Duration: 3 Hours

Total Marks: 100

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 - 3) **All questions are compulsory.**
 - 4) The number to the **right** indicates **full** marks.
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 - 7) **Use** a common answer book for **all** Sections.

1. Discuss role of manual therapy for chronic stroke patients. (1x30=30)
2. Discuss biomechanics of Posture and Gait in person with Parkinsons. (1x30=30)
3. Short answer question (**any four** out of five) : (4x10=40)
 - a) Nutrition for cerebral palsy children.
 - b) Sports for paraplegics.
 - c) Orthosis for intrinsic muscle paralysis of hand.
 - d) Neural tissue mobilisation for lower extremity.
 - e) Principle and rationale of swiss ball exercises.

51022

M.P.Th. (Neurosciences) (Old) Examination, Summer 2015
APPLIED PHYSIOTHERAPEUTICS (II) – II

Total Duration: 3 Hours

Total Marks: 100

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 - 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. Discuss role of electrotherapeutic modalities in pain management. **(1x30=30)**
2. Discuss electrodiagnostic findings in neurogenic and myogenic conditions. **(1x30=30)**
3. Short answer question (**any four** out of five) : **(4x10=40)**
 - a) Planning of a paraplegic centre.
 - b) Teaching learning methods.
 - c) Roods approach.
 - d) Importance of documentation in Physiotherapy.
 - e) Ethical issues in physiotherapy.



51023

**M.P.Th. (Neurosciences) (Old) Examination, Summer 2015
ADVANCES IN PHYSIOTHERAPY IN NEUROSCIENCES (I) – III**

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. Describe theories of motor control with reference to management principles in Neurorehabilitation. (1x30=30)
2. Discuss normal development of ambulation in a child. (1x30=30)
3. Short answer question (**any four** out of five) : (4x10=40)
 - a) Neuroplasticity.
 - b) Evaluation of a paralytic hand.
 - c) Special techniques for management of ataxia.
 - d) Importance of clinical decision making in physiotherapy.
 - e) Constraint Induced movement therapy.



51024

**M.P.Th. (Neurosciences) (Old) Examination, Summer 2015
ADVANCES IN PHYSIOTHERAPY IN NEUROSCIENCES (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. Discuss importance and rationale of assistive and ambulatory devices used in spinal cord injury patients and training in use of these devices. (1x30=30)
2. Write on Causes of falls in elderly due to degenerative changes in nervous system and physiotherapeutic management. (1x30=30)
3. Short answer question (**any four** out of five) : (4x10=40)
 - a) Physiotherapeutic Management of Motor Neuron Disease.
 - b) Importance of support group in Parkinson's disease.
 - c) Concept of ICF domains.
 - d) Role of physiotherapy in Neuro ICU.
 - e) Importance of education of care giver in Neurorehabilitation.



51021

M.P.Th. (Neurosciences), Winter 2014
Applied Physiotherapeutics(I) - I

Total Duration : 3 Hours

Total Marks : 100

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- 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 section.

1. Discuss kinetics of normal erect posture. Discuss the alterations of kinetics in case of hemiplegia through all the stages of recovery (1x30=30)
2. Discuss the role of manual medicine in UMN disorders (1x30=30)
3. Short answer question (any four out of five) : (4x10=40)
 - a) Nutrition for children with Cerebral Palsy
 - b) Write a note on fitness training in the geriatric population
 - c) write a note on the gait deviations in the LMN disorders
 - d) Write a note on the training of physical fitness in myasthenia gravis population
 - e) Orthoses for spinal cord injury patients



51022

M.P.Th. (Neurosciences), Winter 2014
Applied Physiotherapeutics(II) - II

Total Duration : 3 Hours

Total Marks : 100

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 - 3) All questions are compulsory.
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 - 5) Draw diagrams wherever necessary.
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 - 7) Use a common answer book for all section.
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1. Discuss The Neuro Physiological Approaches Used In Management Of CVA (1x30=30)
 2. Discuss The Ethical Issues In Individuals With Lifelong Disabilities (1x30=30)
 3. Short answer question (any four out of five) : (4x10=40)
 - a) Abnormal EMG
 - b) Two Methods Of Teaching; Its Advantage And Disadvantages
 - c) Discuss SDC In Detail
 - d) Write A Note On Planning And Designing Of Physiotherapy Department for 100 bedded General Hospital.
 - e) Domains of International Classification of Functioning Disability & Health



M.P.Th. (Neurosciences), Winter 2014
Advance^S in Physiotherapy in Neurosciences(I) - III

Total Duration : 3 Hours

Total Marks : 100

Instructions:

- 1) Use blue/black ball point pen only.
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- 7) Use a common answer book for all section.

1. Describe the theories of motor control and their relevance with respect to normal motor development in human beings (1x30=30)
2. Discuss different scales used to assess balance for elderly population. Describe balance training for the elderly population. (1x30=30)
3. Short answer question (any four out of five) : (4x10=40)
 - a) Describe the Role of a physiotherapist in NICU
 - b) Write a note on the theories of motor learning
 - c) write a note on the rehabilitation of muscular dystrophy
 - d) Mirror therapy for stroke patients
 - e) Write a note on assessment of a cerebral palsy child



51024

M.P.Th. (Neurosciences), Winter 2014
Advanced in Physiotherapy in Neurosciences(II) - IV

Total Duration : 3 Hours

Total Marks : 100

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- 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 section.

1. Discuss principles and rational of assistive devices used for children with spastic cerebral palsy (1x30=30)
2. Discuss physiotherapy in Neuro Intensive Care Unit (1x30=30)
3. Short answer question (any four out of five) : (4x10=40)
 - a) Outcome measures for function
 - b) Importance of support groups in spinal cord injury patients
 - c) legal rights of disables in India
 - d) Evaluation of disability of individual with poliomyelitis.
 - e) Principles of management of patients with progressive neurological conditions



51021



M.P.Th. (Neurosciences), Summer-2014 Examination
APPLIED PHYSIOTHERAPEUTICS(I) - I

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Total Marks : 100

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 - 4) The number to the **right** indicates **full** marks.
 - 5) Draw diagrams **wherever** necessary.
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 - 7) Use common answer book for all section.

1. Discuss pathomechanics of ankle and foot in spastic diplegic CP and role of orthosis for the same. (1x30=30)
2. Discuss health promotion in post - menopausal women. (1x30=30)
3. Brief answer question (**any four** out of five) : (4x10=40)
 - a) Diet in muscular dystrophy patients.
 - b) Role of Myofascial release in Cerebral palsy Patients.
 - c) Reciprocal gait orthosis.
 - d) Fitness training for paraplegics.
 - e) Yoga in Parkinsons disease.



51022



M.P.Th. (Neurosciences), Summer-2014 Examination
APPLIED PHYSIOTHERAPEUTICS(II) - II

Total Marks : 100

Total Duration : 3 Hours

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 - 4) The number to the right indicates full marks.
 - 5) Draw diagrams wherever necessary.
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 - 7) Use common answer book for all section.

1. Discuss with evidence advanced electrotherapeutic modalities used for pain relief. (1x30=30)
2. Discuss in detail electrodiagnostic methods for peripheral nervous system (1x30=30)
3. Brief answer question (any four out of five) : (4x10=40)
 - a) Write a note on sensory Integration.
 - b) Write a note on the methods to facilitate clinical learning
 - c) Ethical issues in physiotherapy practice
 - d) Merits and demerits of various audiovisual aids.
 - e) Write a note on the role of Budget formation of physiotherapy department and annual auditing

M.P.Th. (Neurosciences), Summer-2014 Examination
ADVANCES IN PHYSIOTHERAPY IN NEUROSCIENCES(I) - III

Total Duration : 3 Hours

Total Marks : 100

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 - 7) Use common answer book for all section.

1. Discuss theories of motor learning and their application in Neuro rehabilitation with appropriate clinical scenarios (1x30=30)
2. Discuss balance issues in geriatric population with their assessment and describe strategies for balance training. (1x30=30)
3. Brief answer question (**any four** out of five) : (4x10=40)
 - a) Discuss use of mirror therapy for stroke patients with recent evidence
 - b) Assessment of postural control.
 - c) Discuss various pathophysiologies of vestibular system
 - d) Discuss clinical use of Body Weight support treadmill training with its recent evidence
 - e) write a note on assessment of children with sensory disorder.



51024



M.P.Th. (Neurosciences), Summer-2014 Examination
ADVANCES IN PHYSIOTHERAPY IN NEUROSCIENCES(II) - IV

Total Duration : 3 Hours

Total Marks : 100

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 - 7) Use common answer book for all section.

1. Discuss intensive care management in acute neuro logical conditions. (1x30=30)
2. Discuss use of assisstive technology in improving stability and mobility in spastic diplegics. (1x30=30)
3. Brief answer question (**any four** out of five) : (4x10=40)
 - a) Movement therapy in Parkinson"s disease.
 - b) Importance of support groups in patients having chronic neurological conditions.
 - c) Neurodegerative changes with ageing.
 - d) principles of management of terminally ill patients.
 - e) Outcome measures for balance.

51023

M.P.Th. (Neurosciences), Winter-2013 Examination
ADVANCES IN PHYSIOTHERAPY IN NEUROSCIENCES(I) - III

Total Duration : 3 Hours

Total Marks : 100

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- 1) Use **blue/black** ball point pen only.
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 - 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 common answer book for all section.

1. Discuss methods of Balance assessment & training in elderly. (1x30=30)
2. Discuss application of theories of motor learning in neuro rehabilitation. (1x30=30)
3. Brief answer question (any four out of five) : (4x10=40)
 - a) Neuroplasticity
 - b) Mirror therapy in stroke.
 - c) Physiotherapy management of Neurogenic bladder.
 - d) Principles of physiotherapy management in ataxic patients.
 - e) Rationale of goal setting in different levels of GMFCS



51011

M.P.Th. (Musculoskeletal Sciences) (Old), Winter 2015
APPLIED PHYSIOTHERAPEUTICS(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.

LAQ :

1. Discuss the importance of assessment and management of gait with reasoning in patients with ankle dysfunction. (1x30=30)

LAQ :

2. Discuss Mulligan's approach in management of dysfunctions of the shoulder joint complex. (1x30=30)

3. Short answer question (**any four** out of five) : (4x10=40)

- a) Role of exercise and nutrition in post menopausal women.
 - b) Biomechanical principles of splinting.
 - c) Rationale of Taping in knee dysfunction.
 - d) Importance of Evidenced based practice in physical therapy.
 - e) Reliability and Validity.
-



51012

M.P.Th. (Musculoskeletal Sciences) (Old), Winter 2015
APPLIED PHYSIOTHERAPEUTICS(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.

LAQ :

1. Write an essay on different neurophysiological approaches. (1x30=30)

LAQ :

2. Essay on Nerve Conduction Studies in diagnosis and prognosis of Brachial Plexus Lesions. (1x30=30)

3. Short answer question (**any four out of five**) : (4x10=40)

- a) Aging process in musculoskeletal system.
- b) Ethics in Human Research.
- c) Ethics in physiotherapy practice.
- d) Sampling Error.
- e) Comment on teaching learning methods.



51013

M.P.Th. (Musculoskeletal Sciences) (Old), Winter 2015

ADVANCES IN PHYSIOTHERAPY IN MUSCULOSKELETAL SCIENCES(I) - III

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.

LAQ :

1. Describe the different techniques of mobilisation used to treat cervical spine dysfunction. (1x30=30)

LAQ :

2. Management of common injuries which occur in Cricketers. (1x30=30)
3. Short answer question (**any four** out of five) : (4x10=40)
 - a) Plyometrics in sports.
 - b) Isokinetic dynamometry.
 - c) Outcome measures.
 - d) Ergonomic consideration in loaders.
 - e) Assessment of Scoliosis.



51014

M.P.Th. (Musculoskeletal Sciences) (Old), Winter 2015
ADVANCES IN PHYSIOTHERAPY IN MUSCULOSKELETAL SCIENCES(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.

LAQ :

1. Discuss principles of assessment & management of common injuries in professional football players. (1x30=30)

LAQ :

2. Discuss various gait deviations & physiotherapy management with rationale. (1x30=30)
3. Short answer question (**any four** out of five) : (4x10=40)
 - a) Evidence based practice.
 - b) Principles of disability evaluation.
 - c) Hip disarticulation prosthesis.
 - d) Core stability exercise program for low back pain.
 - e) Modification at job site for a wheel chair bound person.



51011

M.P.Th. (Musculoskeletal Sciences) (Old) Examination, Summer 2015
APPLIED PHYSIOTHERAPEUTICS (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 answer book for **all** Sections.

1. Discuss the role of manual therapy in pain management. (1×30=30)
2. Explain biomechanics of lumbar spine. Discuss principles of spinal orthosis. (1×30=30)
3. Brief answer question (**any four** out of five) : (4×10=40)
 - a) Nutritional requirement for geriatric person.
 - b) Dennis- brown splint.
 - c) Fitness tests.
 - d) Role of yoga therapy for promotion of health.
 - e) Lumbo - pelvic rhythm.

51012

M.P.Th. (Musculoskeletal Sciences) (Old) Examination, Summer 2015
APPLIED PHYSIOTHERAPEUTICS (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 answer book for all Sections.**

1. Discuss the role of electromyographic studies in brachial plexus injury. (1x30=30)
2. List the various theories of motor learning. Justify their basis of using neuro anatomical and neuro physiological principles. (1x30=30)
3. Short answer question (any four out of five) : (4x10=40)
 - a) Parametric Tests.
 - b) Ethical issues in physiotherapy practice.
 - c) Sampling Techniques.
 - d) Teaching Aids.
 - e) Laser Therapy.



51013

M.P.Th. (Musculoskeletal Science) (Old) Examination, Summer 2015
ADVANCES IN PHYSIOTHERAPY IN MUSCULOSKELETAL
SCIENCES (I) – III

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. Explain in detail post-menopausal musculoskeletal changes and write physiotherapy management programme. **(1x30=30)**
 2. Discuss the role of manual therapy in treatment of low back ache. **(1x30=30)**
 3. Short answer question (**Any four** out of five) : **(4x10=40)**
 - a) Assessment of scoliosis.
 - b) Neural tissue Mobilization in cervical radiculopathy.
 - c) Common sport related injuries in children.
 - d) Disability Evaluation.
 - e) Importance of Evidence based Practice.
-



51014

**M.P.Th. (Musculoskeletal Sciences) (Old) Examination, Summer 2015
ADVANCES IN PHYSIOTHERAPY IN MUSCULOSKELETAL
SCIENCES (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 common answer book for all Sections.**

1. Write an essay on Assessment and Management of paralytic hand in Lower Motor Neuron type of lesion. (1x30=30)
2. Discuss recent advances in Physiotherapy management of Degenerative Arthritis of knee joint. (1x30=30)
3. Brief answer question (**any four** out of five) : (4x10=40)
 - a) Principles of Joint Protection and Energy Conservation in Rheumatoid hand.
 - b) Rationale of Management of ankle sprain in athletics.
 - c) Taping in scapular dysfunction.
 - d) Rationale of Myofascial Release (MFR).
 - e) Differential diagnosis of pain around thumb. Discuss physiotherapy management.



51041

M.P.Th. (Community Medical Sciences), Summer-2014 Examination

APPLIED PHYSIOTHERAPEUTICS(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 common answer book for all section.

1. Explain pathophysiology of obesity, its assessment & management (1x30=30)
 2. Discuss Glenohumeral Rhythm & dynamic stabilization of joint. (1x30=30)
 3. Brief answer question (any four out of five) : (4x10=40)
 - a) Principles of exercise prescription & Aerobic exercises.
 - b) Assessment prior to formulating an orthotic prescription
 - c) Maitlands Vs mulligan technique merits & demerits.
 - d) Nutrition for aged population.
 - e) Importance of healthy diet for adolescent female population
-

M.P.Th. (Community Medical Sciences), Summer-2014 Examination
APPLIED PHYSIOTHERAPEUTICS(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 common answer book for all section.

1. Explain Process of wound healing. Describe new approaches used in physiotherapeutics for wound healing. (1x30=30)
2. Discuss latest modifications in electromagnetic agents used in physiotherapy management (1x30=30)
3. Brief answer question (**any four out of five**) : (4x10=40)
 - a) Classify nerve injuries & its emg findings.
 - b) Enlist physiological factors affecting action potential propagation.
 - c) Advantages & disadvantages of distance learning
 - d) Highlight physiotherapy administrative skill to run cerebral palsy physiotherapy unit in rural area.
 - e) Add a note on mal-practice in physiotherapy



51043

M.P.Th. (Community Medical Sciences), Summer-2014 Examination
ADVANCES IN PHYSIOTHERAPY IN COMMUNITY MEDICAL SCIENCES(I) - III

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 common answer book for all section.

1. A 65 year old retired bank manager presents with medical diagnosis of herniated nucleus pulposus at the L5-S1 area. He is a known case of diabetes mellitus weighs 80 kg, height is 155 cms. Design weight reduction programme for him (1x30=30)
2. Discuss Pregnancy induced pathologies that can be addressed with physical therapy intervention. (1x30=30)
3. Brief answer question (**any four** out of five) : (4x10=40)
 - a) Classification and interventions for pelvic floor dysfunction.
 - b) Design fitness programme for firefighter utilizing the concept of anaerobic energy system.
 - c) Determinants of an exercise programme for Geriatric population.
 - d) Importance of indentifying risk factors before designing fitness programme for sports person.
 - e) Add a note on concessions and subsidies sanctioned by the ministry of social welfare Govt. of India to disabled person.

51044

M.P.Th. (Community Medical Sciences), Summer-2014 Examination

ADVANCES IN PHYSIOTHERAPY IN COMMUNITY MEDICAL SCIENCES(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 common answer book for all section.

1. Use of mobility & stability devices to enhance functions of paraplegic. (1x30=30)
2. Role of physiotherapists post disaster, including support & psychological upliftment for the community (1x30=30)
3. Brief answer question (**any four** out of five) : (4x10=40)
 - a) Role of extension services & mobile units in C B R
 - b) Pre-placement assessment in industrial therapy.
 - c) Role of the central council of professional regulation .
 - d) Education of the caregivers in rehabilitation
 - e) Difference between institutional based & community Based rehabilitation .

51041

M.P.Th. (Community Medical Sciences)

APPLIED PHYSIOTHERAPEUTICS(I) - I

Duration: 3 Hours

Total Marks: 100

Instruction 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

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

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

5) Draw diagrams **wherever** necessary.

1. Discuss in detail the various schools of thought for manual therapy used for articular & soft tissue assessment & treatment.

(1x30=30)

2. Various strategies used for promotion of health & fitness amongst the elderly.

(1x30=30)

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

(4x10=40)

a) Describe the scapulo humeral rhythm & describe its alterations.

b) Principles of fitness training.

c) Pre sports Carbohydrate loading in athletes.

d) Taylors brace-working principle & uses.

e) Aerobic exercises.



51042

M.P.Th. (Community Medical Sciences)
APPLIED PHYSIOTHERAPEUTICS(II) - II

Duration: 3 Hours

Total Marks: 100

Instruction 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

3) All questions are compulsory.

4) The number to the right indicates full marks.

5) Draw diagrams wherever necessary.

1. Describe in detail professional ethics towards patients. Add a note on communication & skill informed consent, client interest & satisfaction. (1x30=30)
2. Describe in detail cellular response to environment and man made electromagnetic field. Add a note on risk factors of prolonged exposure to electromagnetic field and safely measure to be adopted. (1x30=30)
3. Brief answer question (any four out of five) : (4x10=40)
- a) Types of large group teaching method.
 - b) Principles and techniques of proprioceptive neuromuscular facilitation.
 - c) Advances electrotherapeutic in tissue healing.
 - d) Differentiated between institutional and community based rehabilitation.
 - e) Clinical significance of H reflex and F-wave.

51043



M.P.Th. (Community Medical Sciences)

ADVANCES IN PHYSIOTHERAPY IN COMMUNITY MEDICAL SCIENCES(I) - III

Duration: 3 Hours

Total Marks: 100

Instruction 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

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

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

5) Draw diagrams **wherever** necessary.

1. What are disability surveys? Explain in consideration with epidemiological aspects, screening for disabilities, development orders & disability evaluation.

(1x30=30)

2. Role of physiotherapist in prevention & treatment of Sport Injuries.

(1x30=30)

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

(4x10=40)

a) Describe the pelvic floor muscles & exercises to strengthen them.

b) Exercise prescription in geriatric patients.

c) ICF.

d) Types of classification of disasters.

e) Vocational evaluation & its uses.



51044

M.P.Th. (Community Medical Sciences)

ADVANCES IN PHYSIOTHERAPY IN COMMUNITY MEDICAL SCIENCES(II) - IV

Duration: 3 Hours

Total Marks: 100

Instruction 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

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

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

5) Draw diagrams **wherever** necessary.

1. Describe in detail principles of physiotherapy related to ANC and PNC care. (1x30=30)
2. Describe in details clinical decision making skill in assessment and management of dysfunction related to community Health. (1x30=30)
3. Brief answer question (**any four** out of five) : (4x10=40)
 - a) Strategies for prevention of falls in elderly.
 - b) Principles of fitness training for obese patients.
 - c) Management of osteoporosis.
 - d) Assistive technology used for enhancing mobility.
 - e) Role of W.C.P.T.



51041

M.P.TH. (Community Medical Sciences) Examination, Summer 2012
APPLIED PHYSIOTHERAPEUTICS (I) – I

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.**

1. Describe in detail general principles of manual techniques used for alleviation of musculoskeletal symptoms. Write a note on muscle energy technique. 30
 2. Describe kinetics and kinematics in relation to biomechanics of joints. Add a note on applied mechanics in application of various orthoses. 30
 3. Solve **any four** questions out of five : (4×10=40)
 - a) Assessment of fatigue
 - b) Principles of sub-maximal exercises
 - c) Thermoregulatory changes during exercises
 - d) Environmental factors influencing muscle work
 - e) Open and close kinetic chain of exercises.
-



51042

**M.P.TH. (Community Medical Sciences) Examination, Summer 2012
APPLIED PHYSIOTHERAPEUTICS (II) – II**

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 questionpaper**. 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.

1. Describe the rational of use of various Electrotherapeutic modalities for alleviation of pain. 30
2. Describe the role of Electro diagnosis for diagnosis D.M.D. Add a note on abnormal spontaneous potentials. 30
3. Solve **any four** questions out of five : (4×10=40)
 - a) Role of WHO in rehabilitation
 - b) Psychosomatic pain
 - c) Principles and techniques of PNF
 - d) Principles of adult learning
 - e) LASER.



51043

M.P.TH. (Community Medical Sciences) Examination, Summer 2012
ADVANCES IN PHYSIOTHERAPY IN COMMUNITY MEDICAL SCIENCES (I) – III

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.**

1. Describe various types of urinary incontinence and impairment of pelvic floor muscles in females and its related management. **30**

 2. Describe the role of exercises in the management of obesity and its related problems. **30**

 3. Solve **any four** questions out of five : **(4×10=40)**
 - a) Functional capacity evaluation of a worker
 - b) Rationale for breathing exercise in antenatal period
 - c) Job simulation and job hardening in industrial setup
 - d) Role of exercises in health promotion
 - e) Effect of ageing on cardiorespiratory system.
-



51031

M.P.Th. (Cardiovascular and Respiratory Sciences) (Old) Examination,
Summer 2015

APPLIED PHYSIOTHERAPEUTICS (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 answer book for **all** Sections.

1. Discuss Physiological benefits of exercise training and role of sports in preventing cardiovascular diseases. (1×30=30)
 2. Discuss mechanics of thoracic cage in respiration. (1×30=30)
 3. Brief answer question (**any four** out of five) : (4×10=40)
 - a) Neural tissue mobilization.
 - b) Nutritional counselling for overweight patients.
 - c) Abdominal binders.
 - d) Anaerobic exercises.
 - e) Types of data.
-

51032



M.P.Th. (Cardiovascular and Respiratory Sciences) (Old) Examination,
Summer 2015
APPLIED PHYSIOTHERAPEUTICS (II) – II

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. Define Quality of Life and the need to evaluate it. Discuss various scales to evaluate quality of life in patients with cardio-respiratory dysfunction. **(1x30=30)**
2. Discuss principle and rationale of neurotherapeutic skills in management of spastic diplegic. Discuss the respiratory impairment in spastic diplegic and its management. **(1x30=30)**
3. Brief answer question (**any four** out of five) : **(4x10=40)**
 - a) Compare and contrast various teaching learning methods in Physiotherapy education.
 - b) Management principles in physiotherapy private practice.
 - c) Disability evaluation and certification for patients with respiratory diseases.
 - d) Use of electrotherapy in the management of peripheral vascular diseases.
 - e) Rights and responsibilities of physiotherapist.



51033

M.P.Th. (Cardiovascular and Respiratory Sciences) (Old)
Examination, Summer 2015
ADVANCES IN PHYSIOTHERAPY IN CARDIOVASCULAR AND
RESPIRATORY SCIENCES (I) – III

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. Discuss biomechanical alterations with ribcage and respiratory muscle dysfunction in COPD and role of physiotherapy. (1x30=30)
2. Discuss the evidence for application of various airway clearance. (1x30=30)
3. Brief answer question (**any four** out of five) : (4x10=40)
 - a) Need for postoperative physiotherapy-an evidence based approach.
 - b) Discuss all outcome measures indicating improvement in a school going asthmatic child enrolled for Pulmonary Rehabilitation.
 - c) Intensive Care Monitoring.
 - d) Use and Interpretation of Pulmonary Function Testing.
 - e) Various Occupational lung diseases and the scope for physiotherapist in industry.



51034

M.P.Th. (Cardiovascular and Respiratory Sciences) (Old)
Examination, Summer 2015
ADVANCES IN PHYSIOTHERAPY IN CARDIOVASCULAR AND
RESPIRATORY SCIENCES (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. Discuss rationale of cardiac rehabilitation program. (1×30=30)
2. Discuss role of Physical Therapy in Intensive Cardiac Care Unit. (1×30=30)
3. Brief answer question (**any four** out of five) : (4×10=40)
 - a) Step tests.
 - b) Physical Therapy in Peripheral Vascular Disorders.
 - c) Basic Life Support.
 - d) Functional capacity training in Long distance runners.
 - e) Sinus rhythm.

M.P.Th. (Cardiovascular and Respiratory Sciences), Winter-2014 Examination
APPLIED PHYSIOTHERAPEUTICS(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 common answer book for all section.

1. Discuss the abnormal posture seen in chronic respiratory impairment & manual therapy techniques to correct it. (1x30=30)
2. Therapeutic exercises in cardiac rehabilitation. (1x30=30)
3. Brief answer question (**any four** out of five) : (4x10=40)
 - a) Improving fitness in geriatric patients on bed rest showing orthostatism.
 - b) Dietary advice to patients with coronary artery disease patients.
 - c) Importance of nutrition in an exercising young individual.
 - d) Health promotion in school children.
 - e) Pathos-mechanics of respiration in obese females.



51032

M.P.Th. (Cardiovascular and Respiratory Sciences), Winter 2014
Applied Physiotherapeutics(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 answer book for all section.
-
1. Discuss advancement and evidence based practice in use of Electrotherapeutic modalities for management of Pain (1x30=30)
 2. Discuss the Development of Respiratory System from Gestation to birth and developmental defects of respiratory system. (1x30=30)
 3. Short answer question (any four out of five) : (4x10=40)
 - a) Communication skills in Patient therapist relationship
 - b) Documentation in clinical practice
 - c) Proprioceptive Neuromuscular Facilitation to assist respiration
 - d) Informed consent
 - e) Ultrasound therapy in Management of Hypertrophic, Keloid scars
-



51033

M.P.Th. (Cardiovascular and Respiratory Sciences), Winter 2014
Advance in Physiotherapy in Cardiovascular and Respiratory Sciences(I) - III

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 section.

1. Discuss the challenges associated with pulmonary rehabilitation in India (1x30=30)
2. Discuss the role of Physiotherapist in Occupational Lung Diseases. (1x30=30)
3. Short answer question (any four out of-five) : (4x10=40)
 - a) Discuss breathing dysfunctions in Obesity
 - b) P.N.F. Techniques for improving chest compliance
 - c) Relevance of Arterial Blood Gases during physiotherapy
 - d) Discuss the role of Pulmonary Function Test as an outcome parameter
 - e) Discuss the role of physiotherapy in Respiratory Intensive Care Unit.



51034

M.P.Th. (Cardiovascular and Respiratory Sciences), Winter 2014
Advanced in Physiotherapy in Cardiovascular and Respiratory Sciences(II) - IV

Total Marks : 100

Total Duration : 3 Hours

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 section.
-
1. Physiological changes with aging in cardiovascular functions & its associated impairments & Role of physiotherapist in improving their functional status (1x30=30)
 2. Rationale for physiotherapy in peripheral vascular disease. (1x30=30)
 3. Short answer question (any four out of five) : (4x10=40)
 - a) Lifestyle modification post CABG
 - b) ECG monitoring during stress testing
 - c) Role of cardiac rehabilitation post MVR in women of child bearing age
 - d) PT management post permanent pacemaker implant
 - e) PT in paediatric cardiac diseases post operatively



51031



M.P.Th. (Cardiovascular and Respiratory Sciences), Summer-2014 Examination

APPLIED PHYSIOTHERAPEUTICS(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 common answer book for all section. .

1. Define fitness. prescribe a fitness Programme with reasoning for post-menopausal women with special emphasis on exercise and nutrition . (1x30=30)
2. Describe Biomechanics of respiration in health and disease. Discuss various mobilisation techniques for thoracic spine and rib cage. (1x30=30)
3. Brief answer question (**any four** out of five) : (4x10=40)
 - a) Assessment of Quality of Life of patients with chronic pulmonary disease.
 - b) Precautions while planning fitness programmes for the elderly
 - c) Diet modification and exercise for obesity management of adult population .
 - d) Discuss posture correction programmes for school going children
 - e) Discuss reliability and validity of an outcome measure giving example.



51032



M.P.Th. (Cardiovascular and Respiratory Sciences), Summer-2014 Examination
APPLIED PHYSIOTHERAPEUTICS(II) - II

Total Marks : 100

Total Duration : 3 Hours

- 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 common answer book for all section.

1. write an essay on "pain modulation with electrotherapy" an evidence based approach. (1x30=30)
2. write an essay on "neuropsychological approaches". (1x30=30)
3. Brief answer question (**any four** out of five) : (4x10=40)
 - a) management principles in private practice.
 - b) use of electrocardiography
 - c) Evaluation methods for physiotherapy students.
 - d) Ethics in clinical practice .
 - e) use of multistimulator as diagnostic tool.



51033

M.P.Th. (Cardiovascular and Respiratory Sciences), Summer-2014 Examination
ADVANCES IN PHYSIOTHERAPY IN CARDIOVASCULAR AND RESPIRATORY
SCIENCES(I) - III

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 common answer book for all section.

1. Discuss Obstructive Respiratory disorders and Physiotherapy management (1x30=30)
for the same.
2. Write an essay on aging of respiratory system. (1x30=30)
3. Brief answer question (**any four** out of five) : (4x10=40)
 - a) Describe role of physiotherapist in respiratory intensive care unit.
 - b) Breath sounds - types & significance.
 - c) Active Cycle of Breathing Technique
 - d) Interpretation of Arterial Blood Gas Analysis
 - e) Dyspnoea scales.

M.P.Th. (Cardiovascular and Respiratory Sciences), Summer-2014 Examination
ADVANCES IN PHYSIOTHERAPY IN CARDIOVASCULAR AND RESPIRATORY
SCIENCES(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 common answer book for all section.

1. Discuss the role of physical therapy in Intensive Cardiac Care Unit. (1x30=30)
2. Discuss rationale of physical therapy in peripheral vascular disease. (1x30=30)
3. Brief answer question (**any four** out of five) : (4x10=40)
 - a) Exercise testing & exercise prescription in patient with coronary artery bypass grafting.
 - b) Exercise testing prescription in obese individual.
 - c) Discuss the role of physical therapy in pediatric cardiac surgery.
 - d) Role of physiotherapy in patient bilateral lower extremity burns.
 - e) Principles of Functional capacity training in swimmers.