

[KD 606 D]
APRIL 2001

**MASTER OF PHYSIOTHERAPY DEGREE
EXAMINATION.**

Fourth Semester

**Paper III — PHYSIOTHERAPY IN NEUROLOGY —
*Elective***

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

All questions carry equal marks.

1. **Discuss long loop mechanism in Human C.N.S.(20)**
 2. **Discuss the assessment of cerebral palsy. (20)**
 3. **Describe the development of ^{loco}low motion. (20)**
 4. **Discuss the assessment of perceptual disorders. (20)**
 5. **Write short notes on any FOUR : (20)**
 - (a) Abdominal reflex
 - (b) Neuro transmitters
 - (c) Alphas motor neurone
 - (d) Ballistic movement
 - (e) Clonus.
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NOVEMBER 2001

[KE 606 D]

Sub. Code : 8006

**MASTER OF PHYSIOTHERAPY DEGREE
EXAMINATION.**

(Elective)

Paper VI — P.T. IN NEUROLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

All questions carry equal marks.

1. Role of Cerebellum in movement and P.T. management of Ataxia. (20)
2. Assessment and P.T. management in a hemiplegic cerebral palsy child. (20)
3. Discuss neural control of bladder and its dysfunction. Discuss the P.T. management in detail. (20)
4. Voluntary control assessment and therapeutic approaches based on motor learning. (20)

5. Write notes on :

(4 × 5 = 20)

- (a) Parkinsonism
- (b) Gullian–Barre' Syndrome
- (c) Visual evoked potentials
- (d) Disability evaluation.

MARCH 2002
[KG 606 B] **Sub. Code : 8006**

**MASTER OF PHYSIOTHERAPY DEGREE
EXAMINATION.**

(Common to New/Revised Regulations)

**ADVANCED PHYSIOTHERAPY IN
NEUROLOGY — (*Elective*)**

Time : Three hours Maximum : 100 marks

Answer ALL questions.

All questions carry equal marks.

- 1. Discuss voluntary control in Hemiplegia and its management. (20)**
 - 2. Classify muscle disorders and its management.(20)**
 - 3. Write essay on Perception. (20)**
 - 4. Describe role of physiotherapist in head injury unit. (20)**
 - 5. Short notes : (4 × 5 = 20)**
 - (a) Balance disorders**
 - (b) Motor learning**
 - (c) Limbic system**
 - (d) Alpha motor Neuron.**
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SEPTEMBER 2002

[KH 606 B]

Sub. Code : 8006

**MASTER OF PHYSIOTHERAPY (MPT) DEGREE
EXAMINATION.**

(Common to New/Revised Regulations)

**ADVANCED PHYSIOTHERAPY IN
NEUROLOGY — (*Elective*)**

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

All questions carry equal marks.

1. Identify the various theories of learning. Discuss the uses and validity of the various theories. (20)
2. Discuss the physiology of pain. Describe the physical therapy modalities to manage ACUTE pain. (20)
3. Explain the various movement dysfunctions using the motor learning theory principle. Discuss an exercise program. (20)
4. Discuss the conventional method of assessing voluntary control and compare its variations with Neuro-Development approach. (20)

5. Write short notes on : (4 × 5 = 20)

- (a) Functional assessment tools
 - (b) Methods of assessing spasticity
 - (c) Ballistic and Ramp movements
 - (d) Clinical features of Diplegic cerebral palsied child.
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OCTOBER 2003

[KJ 606 B]

Sub. Code : 8006

MASTER OF PHYSIOTHERAPY (MPT) DEGREE
EXAMINATION.

(Common to New/Revised Regulations)

ADVANCED PHYSIOTHERAPY IN NEUROLOGY —
(*Elective*)

Time : Three hours

Maximum : 100 marks

Theory : Two hours and forty
minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

MCQ must be answered **SEPARATELY** on the
Answer Sheet provided as per the instructions on the
first page.

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay : (2 × 15 = 30)

(a) Assessment and treatment of physical
impairments leading to disability after brain injury?

(b) Disorders of muscle?

II. Short notes :

(10 × 5 = 50)

(a) Hydrocephalus.

(b) Dysphasia.

(c) How will you diagnose brain death?

(d) Detail about ancillary investigation.

(e) Dementia.

(f) Intracranial abscess.

(g) Parkinsonism and movement disorders.

(h) Spina bifida.

(i) Meningitis.

(j) MND.

APRIL 2004

[KK 606 B]

Sub. Code : 8006

**MASTER OF PHYSIOTHERAPY (MPT) DEGREE
EXAMINATION.**

(Common to New/Revised Regulations)

ADVANCED PHYSIOTHERAPY IN
NEUROLOGY — (*Elective*)

Time : Three hours

Maximum : 100 marks

Theory : Two hours and forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

A. Long Essay : (2 × 15 = 30)

(1) Describe the various facilitatory approaches used in Neurological Rehabilitation.

(2) Explain the various theories of motor control.

B. Short notes : (10 × 5 = 50)

(1) Striatonigral pathway

(2) Stroke syndromes

(3) Functional rating scale for upper limb

(4) Auditory Evoked Potentials

(5) Nerve conduction velocity studies

(6) Abnormal Gait in Neurodisabilities

(7) Pain-modulation theory

(8) Difference between ballistic and ramp movement

(9) Righting reactions

(10) Principles of redundancy.

AUGUST 2004

[KL 606 B]

Sub. Code : 8006

**MASTER OF PHYSIOTHERAPY (MPT) DEGREE
EXAMINATION.**

(Common to New/Revised Regulations)

**ADVANCED PHYSIOTHERAPY IN NEUROLOGY —
(Elective)**

Time : Three hours

Maximum : 100 marks

Theory : Two hours and
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Long Essay : (2 × 15 = 30)

(a) Discuss pathophysiology and methods of assessment of pain.

(b) Describe various long loop mechanism in Central Nervous system and explain their clinical implications.

II. Short notes : (10 × 5 = 50)

(a) Various methods of pain assessment

(b) Berg balance scale for balance

(c) Flexor Reflex Afferents

(d) Abnormal electromyography

(e) Striatonigral pathway

(f) Neurogenic bladder

(g) Tests for Incoordination

(h) Visual evoked potential

(i) Ramp movement

(j) Stretch Reflex.

FEBRUARY 2005

[KM 606 B]

Sub. Code : 8006

**MASTER OF PHYSIOTHERAPY (MPT) DEGREE
EXAMINATION.**

(Common to New/Revised Regulations)

**ADVANCED PHYSIOTHERAPY
IN NEUROLOGY – (Elective)**

Time : Three hours **Maximum : 100 marks**

Theory : Two hours and forty minutes	Theory : 80 marks
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M.C.Q. : Twenty minutes **M.C.Q. : 20 marks**

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay: (2 x 15 = 30)

(1) Explain the management of a 60 year old patient who suffered right sided MCA Hemorrhagic Stroke.

(2) Write down the Physiotherapy evaluation and management of a patient aged 65 years who has cervical myelopathy.

II. Short notes : (10 × 5 = 50)

(a) List down the various movement disorders and explain in detail chorea.

(b) Classify obstetric Brachial Plexus Palsy and briefly explain about its management.

(c) Differentiate between vestibular ataxia and cerebellar ataxia.

(d) Explain the principles of neurodevelopmental theory.

(e) **Neurophysiological basis of chronic pain.**

(f) Explain in details Stroke Rehabilitation Assessment of Movement (STREAM).

(g) Physiotherapy goals in the management of patient with bacterial meningitis.

(h) Write down the evaluation and management of a patient with Multiple Sclerosis.

(i) Name some facilitatory Techniques of Postural Extensors. Explain any one.

(j) Write the reflexes of lower brain stem and explain positive supporting reflex.

AUGUST 2005

[KN 606 B]

Sub. Code : 8006

**MASTER OF PHYSIOTHERAPY (M.P.T) DEGREE
EXAMINATION.**

(Common to New/Revised Regulation)

**ADVANCED PHYSIOTHERAPY IN
NEUROLOGY — (Elective)**

Time : Three hours

Maximum : 100 marks

Theory : Two hours and
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Long Essay : (2 × 15 = 30)

(1) Discuss extrapyramidal functions and management of its dysfunctions.

(2) Describe types of pain and neurophysiology of pain control mechanism.

II. Short notes : (10 × 5 = 50)

- (a) Sensory re-education.
- (b) Management of rigidity.
- (c) Neuromuscular transmission.
- (d) Voluntary controle.
- (e) Neurophysiology of cerebellum.
- (f) Assessment and management of autonomous bladder.
- (g) Evaluation of postural reflexes.
- (h) Nerve conduction velocity studies.
- (i) Cerebro spinal fluid (CSF)
- (j) Disability evaluation.

MARCH 2006

[KO 606 B]

Sub. Code : 8006

**MASTER OF PHYSIOTHERAPY (M.P.T) DEGREE
EXAMINATION.**

(Common to New/Revised Regulation)

**ADVANCED PHYSIOTHERAPY IN
NEUROLOGY — (Elective)**

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Long Essay : (2 × 15 = 30)

**(1) Discuss long loop mechanisms in human
CNS and their disorders.**

**(2) Diagnosis and management of developmental
disorders.**

II. Short notes : (10 × 5 = 50)

**(a) Evaluation and management of bladder
dysfunctions.**

(b) Muscle spindle.

(c) Functions of cerebellum.

(d) Assessment and management of spasticity.

(e) Brain lateralization.

**(f) Functions of CSF and brief about lumbar
puncture.**

(g) Myelination of pyramidal tracts.

(h) Limbic system.

(i) Effects of ageing on the nervous system.

(j) Neuromuscular junction.

SEPTEMBER 2006

[KP 606 B]

Sub. Code : 8006

**MASTER OF PHYSIOTHERAPY (M.P.T) DEGREE
EXAMINATION.**

(Common to New/Revised Regulation)

**ADVANCED PHYSIOTHERAPY IN
NEUROLOGY — (*Elective*)**

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Long Essay :

**(1) Explain about physiology of nerve conduction.
Add a note on nerve conduction study for median nerve.
(20)**

**(2) Types of Neurogenic Bladder and explain its
management. (15)**

**(3) Discuss the Patho-physiology of chronic pain
and its management. (15)**

II. Short notes :

(6 × 5 = 30)

- (a) Neurotransmitter.**
 - (b) Limbic system.**
 - (c) Facilitatory techniques**
 - (d) Unilateral neglect**
 - (e) Principles of Rood's approach**
 - (f) Modified Ashworth scale.**
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FEBRUARY 2007

[KQ 606 B]

Sub. Code : 8006

**MASTER OF PHYSIOTHERAPY (M.P.T.) DEGREE
EXAMINATION.**

(Common to New/Revised Regulations)

**ADVANCED PHYSIOTHERAPY IN
NEUROLOGY — (*Elective*)**

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Long Essay :

**(1) Explain the theories of motor learning and
its implication in treatment. (20)**

**(2) Explain about feed forward and feedback
mechanisms, various types of feedback and its
application in treatment. (15)**

**(3) Explain in detail about pain and various
therapeutic methods to relieve chronic pain. (15)**

II. Short notes :

(6 × 5 = 30)

- (a) Rancho los amigos scale.**
 - (b) Abdominal reflex.**
 - (c) Dystonia.**
 - (d) Visual evoked potential.**
 - (e) Upper motor neuron bladder.**
 - (f) Limbic system.**
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MARCH 2008

[KS 606 B]

Sub. Code : 8105

MASTER OF PHYSIOTHERAPY (M.P.T.) DEGREE
EXAMINATION.

(Common to New/Revised Regulation)

ADVANCED PHYSIOTHERAPY IN
NEUROLOGY — (*Elective*)

Q.P. Code : 278105

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay : (2 × 20 = 40)

1. Describe the normal process of micturition. Classify types of neurogenic bladder. Describe the rehabilitation of the various types of neurogenic bladder dysfunction. (20)

2. Classify cerebral palsy and outline its etio-pathogenesis. Describe the management of a child with spastic diplegia. (20)

II. Short notes on : (10 × 6 = 60)

1. Dementia.

2. Hydrocephalus.

3. Classify neuropathies.
4. Theories of pain.
5. Visual evoked potentials.
6. Evaluation of cerebellar function.
7. Primitive reflexes.
8. Facilitatory technique.
9. Eaton Lambert syndrome.
10. Vojta technique.

September 2008

[KT 606 B]

Sub. Code : 8105

MASTER OF PHYSIOTHERAPY (M.P.T.) DEGREE
EXAMINATION.

(Common to New/Revised Regulations)

ADVANCED PHYSIOTHERAPY IN NEUROLOGY —
(*Elective*).

Q.P. Code : 278105

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay : (2 × 20 = 40)

1. What are the various stroke syndromes. Write in detail about the assessment and physiotherapy management of a 50 year old male who is diagnosed to have right side middle cerebral artery stroke.

2. Classify Muscular dystrophy. Write in brief about the physiotherapy assessment and management of a 18 year old male who is diagnosed with Duchenne's muscular dystrophy.

II. Short notes : (10 × 6 = 60)

1. Management of Gait problems in Parkinson's disease.
 2. Post polio syndrome.
 3. Facilitatory techniques.
 4. Dyskinesias.
 5. Trigeminal Neuralgia.
 6. Cauda Equina lesions.
 7. Vascular and Neurogenic claudications.
 8. Brunnstrom's sequential recovery stages of stroke.
 9. Changes in coordinated movement with age.
 10. Postural control.
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March 2009

[KU 606 B]

Sub. Code: 8105

**MASTER OF PHYSIOTHERAPY (MPT)
DEGREE EXAMINATION**

(Common to New/Revised Regulation)

Elective – ADVANCED PHYSIOTHERAPY IN NEUROLOGY

Q.P. Code : 278105

Time : Three hours

Maximum : 100 marks

Answer All questions

Draw suitable diagrams where ever necessary

I. Essay questions :

(2 x 20 = 40)

1. Elaborate on the role of physiotherapist in head injury unit.
2. Write in detail about the various motor learning theories and its clinical applications.

II. Write short notes on :

(10 x 6 = 60)

1. Voluntary control assessment for hand.
2. Stroke syndromes.
3. Ventriculo atrial shunt.
4. EMG in myasthenia gravis.
5. Eaton – Lambert syndrome.
6. Amyotrophic lateral sclerosis and role of PT management.
7. Wrist drop.
8. Management for rigidity.
9. Home programmes for CP Children.
10. Motor and sensory symptoms in multiple sclerosis.

September 2009

[KV 606 B]

Sub. Code: 8105

**MASTER OF PHYSIOTHERAPY (MPT)
DEGREE EXAMINATION**

(Common to New/Revised Regulation)

Elective – ADVANCED PHYSIOTHERAPY IN NEUROLOGY

Q.P. Code : 278105

Time : Three hours

Maximum : 100 marks

Answer All questions

Draw suitable diagrams where ever necessary

I. Essay questions :

(2 x 20 = 40)

1. Write in detail about polyneuropathies and explain physiotherapy assessment and management for the same.
2. Write in detail about the physiotherapy assessment, diagnosis and management for 60yrs old female with left middle cerebral artery lesion.

II. Write short notes on :

(10 x 6 = 60)

1. Neuromas.
2. Assessment of developmental milestones.
3. Diabetic neuropathy.
4. Postural reflexes.
5. Acute phase management for T12 lesion.
6. Post polio syndrome.
7. Physiotherapy management for spina bifida.
8. Principles of bobath approach.
9. Neuro transmitters.
10. Functions of CSF.

March 2010

[KW 705]

Sub. Code: 8105

**MASTER OF PHYSIOTHERAPY (MPT)
DEGREE EXAMINATION**

(Common to New/Revised Regulation)

Elective – ADVANCED PHYSIOTHERAPY IN NEUROLOGY

Q.P. Code : 278105

Time : Three hours

Maximum : 100 marks

Answer All questions

Draw suitable diagrams where ever necessary

I. Essay questions :

(2 x 20 = 40)

1. Write in detail about neuro developmental therapy and approaches.
2. Discuss the physiotherapy management for a 35 yrs old bus driver with L4-L5 lumbar spondylosis.

II. Write short notes on :

(10 x 6 = 60)

1. Memory disorders.
2. Role of sensory system on motor performance.
3. Motor and sensory symptoms in multiple sclerosis.
4. Assessment of unconscious patient.
5. Right and left discrimination.
6. Clinical features of hydrocephalus.
7. Facio scapulo humeral muscular dystrophy.
8. Principles of Rood's approach.
9. Trigeminal neuralgia.
10. Dyskinesias.

September 2010

[KX 705]

Sub. Code: 8105

**MASTER OF PHYSIOTHERAPY (MPT)
DEGREE EXAMINATION**

SECOND YEAR

(Revised Regulation)

For candidates admitted from 2000-2001 onwards & 2005-2006 onwards

Paper – II Physiotherapy (Elective Subject)

ADVANCED PHYSIOTHERAPY IN NEUROLOGY – (Elective)

Q.P. Code : 278105

Time : Three hours

Maximum : 100 marks

Answer All questions

Draw suitable diagrams where ever necessary

I. Essay questions :

(2 x 20 = 40)

1. Write in detail the assessment for a spastic cerebral palsy child of 1 year age and add a note on neuro developmental techniques for the same.
2. Write in detail about the physiotherapy assessment diagnosis, and management for a 65 years old male with Parkinson's disease.

II. Write short notes on :

(10 x 6 = 60)

1. Vojta technique.
2. Residual Poliomyelitis.
3. Physiotherapy management for cerebellar ataxia.
4. Electromyographic biofeed back.
5. Hereditary sensory motor neuropathy.
6. Physiology of CSF.
7. Myotonia congenital dystrophia.
8. Brunnstrom's sequential recovery with stages of stroke.
9. Cauda equina lesions.
10. Changes in coordinated movements with age.

MAY 2011

[KY 705]

Sub. Code: 8105

**MASTER OF PHYSIOTHERAPY (MPT)
DEGREE EXAMINATION
SECOND YEAR**

Revised Regulation:

For candidates admitted from 2000-2001 onwards & 2005-2006 onwards

PAPER – II PHYSIOTHERAPY (Elective Subject)

ADVANCED PHYSIOTHERAPY IN NEUROLOGY – (Elective)

Q.P. Code : 278105

Time : Three hours

Maximum : 100 marks

Answer All questions

Draw suitable diagrams where ever necessary

I. Essay Questions : (2 x 20 = 40)

1. Draw a neat schematic diagram depicting neural control of bladder? Also discuss various types of neurogenic bladder and its relevant P.T management?
2. Discuss various types of body scheme disorders and its P.T assessment and management?

II. Write Short Notes: (10 x 6 = 60)

1. Neurophysiological basis of cryofacilitation techniques.
2. Clinical Testing of Sensory Integration and Balance.
3. Functional visual skills.
4. Role of physiotherapy in chronic pain.
5. Excitatory neurotransmitters.
6. Difference between ballistic and ramp movements.
7. Respiratory physiotherapy for cervical cord lesions.
8. Lower limb PNF patterns and its application in neurological population.
9. Normal and abnormal Motor unit action potential.
10. Stages of motor control.

October 2011

[KZ 705]

Sub. Code: 8105

MASTER OF PHYSIOTHERAPY (MPT) DEGREE EXAMINATION

SECOND YEAR

PAPER – II PHYSIOTHERAPY (ELECTIVE SUBJECT)

ADVANCED PHYSIOTHERAPY IN NEUROLOGY – (Elective)

Q.P. Code : 278105

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

Pages (Max.)	Time (Max.)	Marks (Max.)
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- | | | | |
|--|----|----|----|
| 1. Write in detail the principles of management of a 2 year old child with spastic diplegic type of cerebral palsy, who has a good sitting balance and associated with epilepsy. | 17 | 40 | 20 |
| 2. Describe in detail a comprehensive plan to manage the upper limb of a person with stroke using contemporary motor control theories. | 17 | 40 | 20 |

s

II. Write notes on :

- | | | | |
|---|---|----|---|
| 1. Guidelines for management of autonomic dysreflexia. | 4 | 10 | 6 |
| 2. Psycho-social factors which influence recovery in persons with upper motor neuron (UMN) lesions. | 4 | 10 | 6 |
| 3. Early identification of children at high risk for developmental disorders. | 4 | 10 | 6 |
| 4. What are the physiological changes following neuroplasticity. | 4 | 10 | 6 |
| 5. What are the optimal “practice and feedback” conditions to learning sit to stand in persons with stroke? | 4 | 10 | 6 |
| 6. Management of a dyssynergic bladder in a person with spinal cord injury. | 4 | 10 | 6 |
| 7. Rehabilitation principles for a person suffering from hemi neglect. | 4 | 10 | 6 |
| 8. Balance dysfunction in Parkinson’s disease. | 4 | 10 | 6 |
| 9. Describe the common compensatory strategies adopted by a person with stroke while walking. | 4 | 10 | 6 |
| 10. Rehabilitation of gait in persons with spinal cord injury at L4 level. | 4 | 10 | 6 |

[LA 705]

April 2012

Sub. Code: 8105

**MASTER OF PHYSIOTHERAPY (MPT) DEGREE EXAMINATION
SECOND YEAR**

**PAPER – II PHYSIOTHERAPY (ELECTIVE SUBJECT)
ADVANCED PHYSIOTHERAPY IN NEUROLOGY – (ELECTIVE)**

Q.P. Code : 278105

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Discuss the application of Motor Relearning Program in the analysis and training of upper limb function for stroke?	17	40	20
2. Discuss the various levels of altered consciousness along with multi model sensory coma stimulation program?	17	40	20

II. Write notes on :

1. Ankle strategy	4	10	6
2. Augmented feedback	4	10	6
3. PNF-Technique of Reversal of antagonists	4	10	6
4. Vestibulo-Ocular reflex testing	4	10	6
5. Types of hemi neglect and its evaluation	4	10	6
6. Functional Electrical stimulation its application in foot drop.	4	10	6
7. TENS in pain management	4	10	6
8. Clinical features of Parkinson's disease.	4	10	6
9. Physiotherapy for gait ataxia.	4	10	6
10. Automatic nervous system.	4	10	6

[LB 705]

**OCTOBER 2012
MPT DEGREE EXAMS
SECOND YEAR**

Sub. Code: 8105

**PAPER – II PHYSIOTHERAPY (ELECTIVE SUBJECT)
ADVANCED PHYSIOTHERAPY IN NEUROLOGY – (ELECTIVE)**

Q.P. Code : 278105

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

**Pages Time Marks
(Max.)(Max.)(Max.)**

- | | | | |
|---|----|----|----|
| 1. Write in detail the assessment and Physiotherapy Management for 54 years old male with Left Hemiplegia. Add a note on Unilateral Neglect and Physiotherapy measures? | 17 | 40 | 20 |
| 2. Write in detail the Physiotherapy Evaluation and Management for a 28 years male with C5 Incomplete Spinal cord Injury (Traumatic). Add a note on Whiplash injury? | 17 | 40 | 20 |

II. Write Notes on :

- | | | | |
|--|---|----|---|
| 1. Task Intrinsic Feedback. | 4 | 10 | 6 |
| 2. Disorders of Muscle tone. | 4 | 10 | 6 |
| 3. Unconscious patient. | 4 | 10 | 6 |
| 4. Neurophysiology of Human Locomotion. | 4 | 10 | 6 |
| 5. Acute Transverse-Myelitis. | 4 | 10 | 6 |
| 6. Mini-Mental Status Examination. | 4 | 10 | 6 |
| 7. Neuromuscular Impairments associated with Traumatic Brain Injury. | 4 | 10 | 6 |
| 8. Spastic bladder and its treatment. | 4 | 10 | 6 |
| 9. Developmental Motor Activities for handling cerebral palsy child. | 4 | 10 | 6 |
| 10. Autonomic Dysreflexia. | 4 | 10 | 6 |

[LC 705]

APRIL 2013
MPT DEGREE EXAMS
SECOND YEAR

Sub. Code: 8105

PAPER – II PHYSIOTHERAPY (ELECTIVE SUBJECT)
ADVANCED PHYSIOTHERAPY IN NEUROLOGY – (ELECTIVE)

Q.P. Code : 278105

Time : 3 hours

Maximum : 100 marks

I. Elaborate on :

(2x20=40)

1. Write in detail the Physiotherapy evaluation and Management for 52 years old male with Moderate Left Middle Cerebral Artery Stroke. Add a note on various therapeutic approaches available in treatment of spasticity?
2. Assessment and Physiotherapy management for 21 years old female patient with C6 Incomplete Spinal Cord Injury (Traumatic)? Add a note on Spinal Braces and its use in Spinal Injury unit?

II. Write notes on :

(10x6=60)

1. Types of Rigidity
2. Common Sensory Impairments
3. Combined Inhibitory and Facilitatory techniques for Spasticity
4. Rood's approach
5. Developmental milestones birth to 12 months
6. Attention deficits
7. Foot Drop
8. Structure and functions of Limbic system
9. Recovery phases in Ascending Polyneuropathy
10. Assessment of Balance

[LD 705]

**OCTOBER 2013
MPT DEGREE EXAMS
SECOND YEAR**

Sub. Code: 8105

**PAPER – II PHYSIOTHERAPY (ELECTIVE SUBJECT)
ADVANCED PHYSIOTHERAPY IN NEUROLOGY – (ELECTIVE)**

Q.P. Code : 278105

Time : 3 hours

Maximum : 100 marks

I. Elaborate on :

(2x20=40)

1. Describe Visual Pathways and its defects .Write in detail about common visual impairments in Hemiplegics.
2. Explain Neuropathies &its classification. Write in detail assessment and Management for Hereditary Neuropathies.

II. Write notes on :

(10x6=60)

1. Writer's Cramp Dystonia.
2. Pain syndrome and its management.
3. EMG in Peripheral Neuropathies.
4. Brain Death.
5. Tests of Autonomic Function.
6. Factors affecting Recovery of Function.
7. Eclectic Approaches in CP.
8. Autonomic Dysreflexia.
9. Subacute combined degeneration of spinal cord.
10. Feedback.
