

August 2011

[KZ 6265]

Sub. Code : 6265

BACHELOR OF PHYSIOTHERAPY EXAMINATION

**FOURTH YEAR / EIGHTH SEMESTER
PAPER II – P.T. IN NEUROLOGY**

Q.P. Code : 746265

Time : Three hours

Maximum : 100 marks

ANSWER ALL QUESTIONS

Draw suitable diagrams wherever necessary.

I. LONG ESSAYS

(2X20=40)

1. Discuss in detail about Physiotherapy Assessment and Management of Poliomyelitis at residual stage.
2. Discuss in detail about Physiotherapy Assessment and Management of Right Hemiplegia at spastic stage.

II. SHORT NOTES

(8X5=40)

1. Management of Bell's palsy.
2. Motor reeducation.
3. Frenkel's exercises.
4. TENS for Chronic pain.
5. Assessment of Righting reflexes.
6. Assessment of 7th cranial nerve.
7. Functional balance grading.
8. Functional areas of the cerebral cortex.

III. SHORT ANSWERS

(10X2=20)

1. Neuron.
2. Abdominal reflex.
3. Jaw jerk.
4. Jendrassik maneuver.
5. Rhythmical stabilization.
6. Myofascial release.
7. Reflex sympathetic dystrophy.
8. Function of pyramidal tract.
9. Saltatory conduction.
10. Test for Nystagmus.

February 2012

[LA 6265]

Sub. Code: 6265

**BACHELOR OF PHYSIOTHERAPY EXAMINATION
FOURTH YEAR / EIGHTH SEMESTER
PAPER II – P.T. IN NEUROLOGY**

Q.P. Code : 746265

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on:

(2X20=40)

1. Classify Cerebral palsy. Write in detail the evaluation and treatment of 7 years old boy with Spastic Diplegic Cerebral palsy?
2. Assessment and Management of 32 years old male with T10 Complete Spinal cord injury?

II. Write notes on:

(8X5=40)

1. Peripheral neuropathy.
2. Bladder re-training.
3. Mini mental status examination.
4. Movement disorders associated with Basal ganglia disease.
5. Assessment of voluntary muscle action.
6. Brunnstrom Recovery stages of stroke.
7. De-cerebrate posturing.
8. Bobath Concept.

III. Short Answers:

(10X2=20)

1. Four factors essential for motor learning.
2. Rood's approach.
3. Home exercises for Parkinson's disease.
4. Neonatal reflexes.
5. Abnormal gaits.
6. Hold relax technique.
7. Ankle foot orthosis.
8. Developmental milestone from 8 months to 18 months.
9. Pyramidal lesion.
10. Duchenne muscular dystrophy.

[LB 6265]

AUGUST 2012

Sub. Code: 6265

FOURTH YEAR / EIGHTH SEMESTER BPT EXAM

PAPER II – P.T. IN NEUROLOGY

Q.P. Code : 746265

Time: Three Hours

Maximum: 100 marks

(180 Min) Answer ALL questions in the same order.

I. Elaborate on:

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

- | | | | |
|--|----|----|----|
| 1. Describe in detail the evaluation, Physiotherapy Management and Home Exercise Program for a retired 65 years old male with PARKINSON'S DISEASE? | 19 | 33 | 20 |
| 2. Write in detail the General Principles of management of Spasticity? | 19 | 33 | 20 |

II. Write Notes on:

- | | | | |
|--|---|---|---|
| 1. Prescription of wheel chair. | 3 | 8 | 5 |
| 2. Normal postural control mechanism. | 3 | 8 | 5 |
| 3. Assessment of Muscle tone. | 3 | 8 | 5 |
| 4. Median nerve palsy. | 3 | 8 | 5 |
| 5. Bladder function in Multiple sclerosis. | 3 | 8 | 5 |
| 6. Transfer techniques in paraplegics. | 3 | 8 | 5 |
| 7. Waddling gait. | 3 | 8 | 5 |
| 8. Spastic Diplegia. | 3 | 8 | 5 |

III. Short Answers:

- | | | | |
|---|---|---|---|
| 1. Treatment strategies for patients with language dysfunction. | 1 | 5 | 2 |
| 2. Chorea and Athetosis. | 1 | 5 | 2 |
| 3. Neuro-developmental technique. | 1 | 5 | 2 |
| 4. Extra pyramidal lesion. | 1 | 5 | 2 |
| 5. Spinal braces. | 1 | 5 | 2 |
| 6. Trigeminal neuralgia. | 1 | 5 | 2 |
| 7. Neuromuscular stimulation. | 1 | 5 | 2 |
| 8. Proprioception. | 1 | 5 | 2 |
| 9. Brainstem stroke. | 1 | 5 | 2 |
| 10. Pain Assessment. | 1 | 5 | 2 |

[LC 6265]

FEBRUARY 2013

Sub. Code: 6265

FOURTH YEAR BPT EXAM / EIGHTH SEMESTER

PAPER II – P.T. IN NEUROLOGY

Q.P. Code: 746265

**Time: Three Hours
(180 Min)**

Maximum: 100 marks

I. Elaborate on: (2X20=40)

1. Discuss in detail about Physiotherapy Assessment & Management of Duchene Muscular Dystrophy at Chair-bound stage.
2. Discuss in detail about Physiotherapy Assessment & Management of Guillian Barrie syndrome at Recovery state.

II. Write Notes on: (8X5=40)

1. Assessment of 5th cranial nerve.
2. Motor Reeducation.
3. TENS for Chronic pain.
4. Management of Spasticity.
5. Prevention of Common Lower extremity deformities of Poliomyelities.
6. Upper extremity Proprioceptive Neuromuscular Facilitation patterns.
7. Theories of motor control.
8. Manual muscle testing.

III. Short Answers: (10X2=20)

1. Function of cerebellum.
2. Stereognosis test.
3. Finger nose test.
4. Umn Syndrome.
5. Knee jerk.
6. Waddling gait.
7. Orthostatic hypotension.
8. Symmetrical tonic neck reflex.
9. Ober's test.
10. Conjugate gaze eye movement.

[LD 6265]

AUGUST 2013

Sub. Code: 6265

FOURTH YEAR / EIGHTH SEMESTER BPT EXAM

PAPER II – P.T. IN NEUROLOGY

Q.P. Code : 746265

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X20=40)

1. Write in detail Physiotherapy assessment and management for T10 traumatic Spinal Cord injury patient in rehabilitation centre.
2. Discuss in detail about the causes, types assessment and management of five year old spastic diplegic Cerebral palsy child.

II. Write Notes on:

(8X5=40)

1. Cerebellar ataxia
2. Glasgow coma scale
3. Hydrocephalus
4. Klumpke's palsy
5. Myasthenia gravis
6. Cardinal feature of PD
7. Shoulder hand syndrome
8. SOMI brace.

III. Short Answers:

(10X2=20)

1. STREAM
2. Reflex
3. Equilibrium reaction
4. Souques phenomom
5. Penumbra
6. Horonor's syndrome
7. Global aphasia
8. Pallidotomy
9. ADL
10. Dysphagia.

[LE 6265]

FEBRUARY 2014

Sub. Code: 6265

FOURTH YEAR / EIGHTH SEMESTER BPT EXAM

PAPER II – P.T. IN NEUROLOGY

Q.P. Code : 746265

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X20=40)

1. Discuss Neonatal reflexes and mention the normal milestone. Discuss as a Physiotherapist how you would train neck control in a two year old spastic cerebral palsy child
2. List out the causes for peripheral nerve lesions, Seddon's classification. Outline the PT Management for Erb's palsy since birth.

II. Write Notes on:

(8X5=40)

1. Multiple Sclerosis.
2. Sensory Assessment.
3. Functional Independence.
4. Mat exercise programme to a stroke affected patient.
5. Exercise Tolerance.
6. Types of wheel chairs and modifications.
7. Transient ischaemic attack.
8. Co-ordination and precision in Parkinsonism.

III. Short Answers:

(10X2=20)

1. Causalgia.
2. Tendon reflexes.
3. Dyssynergia.
4. Facilitation Techniques.
5. Glasgow's Coma scale.
6. Genetic Counseling.
7. Biofeedback.
8. Double Incontinence.
9. Nerve conduction study.
10. Cauda equina lesion.

[LF 6265]

AUGUST 2014

Sub. Code: 6265

**FOURTH YEAR / EIGHTH SEMESTER BPT EXAM
PAPER II – P.T. IN NEUROLOGY**

Q.P. Code : 746265

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X20=40)

1. Describe the principles of PNF. Explain in detail about the various PNF Patterns and the techniques of PNF.
2. Describe in detail the assessment and management of a 25 year with Multiple Sclerosis.

II. Write Notes on:

(8X5=40)

1. Autonomic Dysreflexia
2. Blood supply of the brain
3. Spastic bladder
4. Ambulatory aids in neurological rehabilitation
5. Muscle re-education
6. Coordination assessment
7. History taking
8. Tests for Vertebro-basilar insufficiency

III. Short Answer:

(10X2=20)

1. Apraxia
2. Froment's test
3. Beevor's axiom
4. Souques phenomenon
5. Orthosis in Median nerve injury
6. Miller-fisher Syndrome
7. Lucid interval
8. Inverted radial reflex
9. Signs in Parkinson's disease
10. Gerstmann syndrome

[LG 6265]

FEBRUARY 2015

Sub. Code: 6265

**FOURTH YEAR/EIGHTH SEMESTER BPT EXAM
PAPER II – P.T. IN NEUROLOGY**

Q.P. Code : 746265

Time: Three hours

Maximum: 100 marks

I. Elaborate on:

(2 x 20 = 40)

1. Draw the fascial nerve. What are the Physiotherapy assessment and management of Bell's Palsy?
2. Write on assessment of pain and which modalities suitable for reduce the neurogenic pain?

II. Write notes on:

(8 x 5 = 40)

1. Spinal muscular atrophy
2. Assessment of sensory system
3. Motor cortex
4. Neuro developmental treatment(NDT)
5. Gait training for parkinsonism
6. Modified asworth scale
7. Position of acute right hemiplegic patient
8. Physiotherapy for head injury

III. Short answers on:

(10 x 2 = 20)

1. Hetrotopic ossification
2. Dorsal column syndrome
3. Micrographia
4. Ataxia
5. List out the brain tumour
6. Dyskinesia
7. Finger agnosia
8. Open loop motor control system
9. Circumduction gait
10. Name two neuro transmitters

[LH 6265]

AUGUST 2015

Sub. Code: 6265

**B.P.T. DEGREE EXAMINATION
FOURTH YEAR
PAPER II - P.T. IN NEUROLOGY**

Q.P. Code: 746265

Time : Three Hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 20 = 40)

1. Principles and theories of motor control and learning.
2. Write on assessment and Physiotherapy Management of Myasthenia Gravis.

II. Write notes on:

(8 x 5 = 40)

1. P.T. Management of motor neuron disease.
2. Low back pain syndrome.
3. Progressive bulbar palsy.
4. Functional Training in bladder dysfunction.
5. Physiotherapy for Spina Bifida.
6. Sensory re-education.
7. P.T management of Cerebellar lesions.
8. P.T management of Erbs palsy.

III. Short Answers on:

(10 x 2 = 20)

1. Thalamic pain syndrome.
2. Reflex inhibiting postures.
3. Charcot's joint.
4. Definition of Multiple sclerosis.
5. Causes of coma.
6. Essential components of Proprioceptive neuro muscular facilitation.
7. Chest wall stretching.
8. Rhythmic initiation.
9. Definition of parkinsonism.
10. Motor aphasia.

[LI 6265]

FEBRUARY 2016

Sub. Code: 6265

**FOURTH YEAR BPT EXAMINATION
PAPER II – P.T. IN NEUROLOGY**

Q.P. Code : 746265

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain in detail about the clinical features and physiotherapy management for muscular dystrophy.
2. Discuss in detail about Assessment and Physiotherapy management with Head injury patient.

II. Write notes on:

(8 x 5 = 40)

1. Treatment modalities of pain relief.
2. Guillain-Barre syndrome.
3. Monoplegia.
4. Balance Assessment.
5. Bed rest complications and its management.
6. Stretching.
7. Causalgia and its management.
8. Types of aphasia.

III. Short answers on:

(10 x 2 = 20)

1. Claw hand
2. Speech disorders
3. Spider splint
4. Alzheimer's disease
5. Charcot joint
6. Down's syndrome
7. Meningioma
8. Refsum's disease
9. Wilson's disease
10. Syringomyelia

[LJ 6265]

AUGUST 2016

Sub. Code: 6265

**FOURTH YEAR BPT EXAMINATION
PAPER II – P.T. IN NEUROLOGY**

Q.P. Code : 746265

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. How do you assess and explain the Neurotherapeutic approach for a patient with Right sided Hemiplegia.
2. Explain the clinical features and physiotherapy management of Parkinsonism patient.

II. Write notes on:

(8 x 5 = 40)

1. Core strengthening programme for low back pain.
2. Abnormal gaits.
3. Physiotherapy management for muscular dystrophy.
4. Mat activities in paraplegia.
5. Assessment of 7th and 8th cranial nerve palsy.
6. Deformities in cerebral palsy.
7. Management of pressure sores.
8. Assessment and management of radial nerve injury.

III. Short answers on:

(10 x 2 = 20)

1. Assessment of limb length
2. Sensitivity
3. LMN lesion
4. Reflexes
5. Tilt board
6. PNF technique
7. Tabes dorsalis
8. Synapse
9. Viral meningitis
10. Gullian Barre syndrome

[LK 6265]

FEBRUARY 2017

Sub. Code: 6265

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER II – P.T. IN NEUROLOGY**

Q.P. Code : 746265

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Write in detail about physiotherapy assessment, management and rehabilitation aspects of Paraplegic patient.
2. Define Pain and theories of Pain. Explain the Assessment and physiotherapy management for different types of Pain.

II. Write notes on:

(8 x 5 = 40)

1. Gait training in Parkinsonism.
2. Shoulder hand syndrome in stroke.
3. Rood approach.
4. Physiotherapy management for low back pain.
5. Physiotherapy management for brachial neuralgia.
6. Proprioceptive training program.
7. Motor relearning.
8. Clinical features assessment and management of Poliomyelitis.

III. Short answers on:

(10 x 2 = 20)

1. Myasthenia Gravis.
2. UMN lesion.
3. 7th cranial nerve palsy.
4. Bladder dysfunction.
5. Transverse myelitis.
6. Hydrocephalus.
7. Erb's palsy.
8. Neurotransmitters.
9. Assessment of tone.
10. Moro reflex.

[LL 6265]

AUGUST 2017

Sub. Code: 6265

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER II – P.T. IN NEUROLOGY**

Q.P. Code : 746265

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail about the physiotherapy assessment and management of twenty five year old age T₁₀ complete Spinal Cord injury patient in Rehabilitation setup.
2. Write detail physiotherapy assessment and management of a patient with second degree ulnar nerve injury at medial epicondyle level.

II. Write notes on:

(8 x 5 = 40)

1. Management of shoulder hand syndrome.
2. Home exercise program for Parkinson's disease.
3. Management of balance dysfunction.
4. Brunnstrom stages of stroke recovery.
5. Guillian Barre syndrome.
6. Associated reactions.
7. Any two Neo Natal Reflexes.
8. Modified ash worth scale.

III. Short answers on:

(10 x 2 = 20)

1. Orthostatic Hypotension.
2. Hypokinetic Dysarthria.
3. Bradykinesia.
4. CSF Rhinorrhea.
5. Multiple sclerosis.
6. Muscle tone.
7. Vestibular ball.
8. Meryon sign.
9. Brachial neuralgia.
10. Ideomotor Apraxia.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LM 6265]

FEBRUARY 2018

Sub. Code: 6265

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER II – P.T. IN NEUROLOGY**

Q.P. Code : 746265

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Spasticity. Explain in detail the assessment and physiotherapy management for spasticity.
2. Write down the assessment and physiotherapy management of a paraplegic male patient aged 25 years old who is in a Rehabilitation centre.

II. Write notes on:

(8 x 5 = 40)

1. Walking aids.
2. Techniques of carrying cerebral palsy children's.
3. Bell's palsy and its management.
4. Foot drop gait.
5. Grading of muscle power.
6. APGAR scoring method.
7. P.T. management in acute stage of head injury.
8. P.T. management in cauda equina lesions.

III. Short answers on:

(10 x 2 = 20)

1. Stages of muscular dystrophy.
2. Tourniquet's palsy.
3. Tarsal tunnel syndrome.
4. Syringomyelia.
5. Splints used in upper limb.
6. Roods approach.
7. Immobilization and its complication.
8. Electro Myography (EMG).
9. Proprioceptive Neuro Muscular Facilitation (P.N.F).
10. Reflex testing.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LN 6265]

AUGUST 2018

Sub. Code: 6265

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER II – P.T. IN NEUROLOGY**

Q.P. Code : 746265

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Cerebral palsy, Write detail physiotherapy assessment and management of five year old boy with spastic diplegia.
2. Write detail physiotherapy assessment and management of wheel chair bound Duchenne Muscular Dystrophy patient.

II. Write notes on:

(8 x 5 = 40)

1. Bladder and bowel management of spinal cord injury patient.
2. Postural assessment of Parkinson's patients.
3. Glasgow Coma Scale.
4. Assessment of Balance dysfunction.
5. Therapeutic Ball in Rehabilitation.
6. Bell's palsy.
7. Reflex sympathetic dystrophy.
8. Cervical disc lesion.

III. Short answers on:

(10 x 2 = 20)

1. Transient Ischaemic Attack.
2. Nerve Conduction Velocity Studies.
3. Grasp Reflex.
4. Complications following spinal cord injury.
5. Hold relax technique.
6. Sialorrhea.
7. Hemineglect.
8. Obstructive Hydrocephalus.
9. Free exercises.
10. Lhermitte's Sign.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LO 6265]

FEBRUARY 2019

Sub. Code: 6265

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER II – P.T. IN NEUROLOGY**

Q.P. Code : 746265

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Parkinson's disease. Write in detail about physiotherapy assessment and management of 60 year old male with Parkinson's disease.
2. Describe assessment and management of Poliomyelitis in residual paralysis stage.

II. Write notes on:

(8 x 5 = 40)

1. Theories of Motor control.
2. Mat exercises.
3. Brunstrom approach.
4. Classification of Peripheral nerve injury.
5. Classification of Cerebral palsy.
6. PT management of sensory Ataxia.
7. Clinical features of Spinal cord injury.
8. Balance assessment.

III. Short answers on:

(10 x 2 = 20)

1. Berg balance test.
2. Locked in syndrome.
3. Crossed anaesthesia.
4. Somatognosia.
5. Stupor.
6. Gag reflex.
7. Slow reversal.
8. Sacral sparing.
9. Cock up slint.
10. Orthostatic hypotension.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LP 6265]

AUGUST 2019

Sub. Code: 6265

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER II – P.T. IN NEUROLOGY**

Q.P. Code : 746265

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain Synergy Pattern? Discuss in detail about the rehabilitation phase physiotherapy management of patient with middle Cerebral Artery syndrome.
2. Physiotherapy assessment and management of Guillian Barre Syndrome.

II. Write notes on:

(8 x 5 = 40)

1. Sensory Re-education.
2. Gait training for Parkinson's patients.
3. Management of Ataxia.
4. Common Aids used in Peripheral Nerve Lesion.
5. Hoehn and Yahr classification of disability.
6. PT role in bladder training.
7. Mat activities in spinal cord injury.
8. Brown-Sequard Syndrome.

III. Short answers on:

(10 x 2 = 20)

1. Reflex Bladder.
2. Bell's Phenomena.
3. Sacral Sparing.
4. Gower's Sign.
5. Myasthenia Gravis.
6. Battle's Sign.
7. Energy Conservation Exercises.
8. Fluent Aphasia.
9. Spina bifida occulta.
10. Pressure sores.

THE TAMIL NADU Dr.M.G.R. MEDICAL UNIVERSITY

[LQ 6265]

FEBRUARY 2020

Sub. Code: 6265

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER II – P.T. IN NEUROLOGY**

Q.P. Code : 746265

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Write in detail about Physiotherapy assessment and management of Multiple sclerosis.
2. Define Pain. Briefly discuss about Pain pathway, theories supporting pain and Management of Chronic Pain in Neurological conditions.

II. Write notes on:

(8 x 5 = 40)

1. Primitive Reflexes.
2. Co-ordination exercises.
3. Principles of Motor Relearning programme.
4. Bladder dysfunction.
5. Physiotherapy management of unconscious Patient.
6. Shoulder hand syndrome.
7. Hydrocephalus.
8. Glasgow coma scale.

III. Short answers on:

(10 x 2 = 20)

1. Aphasia.
2. Biofeedback.
3. Causalgia.
4. Inverted Radial reflex.
5. Dysdiadokokinesia.
6. Biceps jerk.
7. Weber's test.
8. Two point discrimination.
9. Faradic Galvanic Test.
10. Bell's Phenomenon.

THE TAMIL NADU Dr.M.G.R. MEDICAL UNIVERSITY

[LR 6265]

DECEMBER 2020
(AUGUST 2020 EXAM SESSION)

Sub. Code: 6265

BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER II – P.T. IN NEUROLOGY

Q.P. Code : 746265

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe clinical features, stages and management of Duchenne Muscular Dystrophy.
2. Explain the clinical features, assessment and management of Motor Neuron Disease.

II. Write notes on:

(8 x 5 = 40)

1. Spinal cord injury.
2. Balance Training.
3. Clinical features assessment and management of Poliomyelitis.
4. Bobath approach.
5. Bell's palsy and its management.
6. Wheel Chair stage of DMD.
7. Foot drop Gait.
8. Physiotherapy management of Radial nerve Injury.

III. Short answers on:

(10 x 2 = 20)

1. Syringomyelia.
2. Extra pyramidal system.
3. Chronic pain.
4. Transient Ischemic attack.
5. Mat activities.
6. Pressure sores.
7. Lateral popliteal nerve palsy.
8. Sensory Integration.
9. Bulbo cavernosus Reflex.
10. Disability rating scale used in Parkinsonism.

THE TAMIL NADU Dr.M.G.R. MEDICAL UNIVERSITY

[BPT 0921]

**SEPTEMBER 2021
(FEBRUARY 2021 EXAM SESSION)**

Sub. Code: 6265

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER II – P.T. IN NEUROLOGY
*Q.P. Code : 746265***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain in detail about the clinical features assessment physiotherapy management for 45 years female in Right Hemiplegia.
2. Explain the clinical features and physiotherapy management of 65 years old parkinsonism patient.

II. Write notes on:

(8 x 5 = 40)

1. Management of GBS. (Guillian Bare Syndrome).
2. Assessment of Cerebellar Lesion.
3. Management of Multiple sclerosis.
4. Functional Balance grading.
5. Peripheral Neuropathy.
6. Assessment of Muscle tone.
7. Prescription of wheel chair.
8. Management of Bell's palsy.

III. Short answers on:

(10 x 2 = 20)

1. Brainstem stroke.
2. Neuromuscular stimulation.
3. Equilibrium reaction.
4. Hydrocephalus.
5. SOMI brace.
6. Autonomic Dysreflexia.
7. Miller – fisher Syndrome.
8. Four Neonatal reflexes.
9. 11th & 12th Cranial Nerve.
10. Circumduction gait.

THE TAMIL NADU Dr.M.G.R. MEDICAL UNIVERSITY

[BPT 0122]

**JANUARY 2022
(AUGUST 2021 EXAM SESSION)**

Sub. Code: 6265

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
FOURTH YEAR
PAPER II – P.T. IN NEUROLOGY
*Q.P. Code : 746265***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail about the stages of poliomyelitis and write the PT Management at residual stage.
2. Assessment and management of 40 year old man with T10 vertebral fracture with complete lesion.

II. Write notes on:

(8 x 5 = 40)

1. Classify cerebral palsy and write its cause.
2. Balance training in Hemiplegia.
3. Haehn and Yahr scale in Parkinson.
4. Types of muscular dystrophy and its genetic counseling.
5. Frenkle exercise.
6. Types of Neurogenic bladder dysfunction and its management.
7. Splints used in upper limb.
8. Festinating gait.

III. Short answers on:

(10 x 2 = 20)

1. Abnormal reflexes.
2. Ankle Jerk.
3. Pathological gaits.
4. Pain assessment scale.
5. Spina bifida.
6. Shoulder hand syndrome.
7. Causalgia.
8. Neurotransmitter.
9. Righting reflex.
10. Associated reaction.

THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

[BPT 0622]

**JUNE 2022
(FEBRUARY 2022 EXAM SESSION)**

Sub. Code: 6265

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
FOURTH YEAR
PAPER II – P.T. IN NEUROLOGY
*Q.P. Code : 746265***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Write in detail about physiotherapy assessment and management for C7 spinal cord injury patient in ICU.
2. Assessment of muscle tone, Cranial nerve coordination and voluntary control.

II. Write notes on:

(8 x 5 = 40)

1. Middle cerebral artery stroke.
2. Spastic cerebral palsy.
3. Parkinsonism.
4. Stages of motor learning.
5. Median nerve injury.
6. Speech and language disorders in stroke.
7. Modified Ashworth scale.
8. Guillain barre Syndrome.

III. Short answers on:

(10 x 2 = 20)

1. Sacral sparing.
2. Weber's syndrome.
3. Associated reactions.
4. Autonomic dysreflexia.
5. Horner's syndrome.
6. Tinel sign.
7. Thalamic syndrome.
8. Pressure sore.
9. Tinnitus.
10. Apraxia.

THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

[BPT 1022]

**OCTOBER 2022
(AUGUST 2022 EXAM SESSION)**

Sub. Code: 6265

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
FOURTH YEAR**

(Candidates admitted upto the academic year 2016-2017)

PAPER II – P.T. IN NEUROLOGY

Q.P. Code : 746265

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail about the P.T Assessment and Management of 25 years old male with D10 complete Spinal Cord Injury.
2. Write in detail about P.T Assessment and Management of a patient with Radial Nerve injury at Humerus.

II. Write notes on:

(8 x 5 = 40)

1. Brunnstorm stages of Stroke Recovery.
2. Home exercise program for Parkinson's disease.
3. Management of Should Hand Syndrome.
4. Autonomic Dysreflexia.
5. Blood supply of Brain.
6. Muscle re-education.
7. Co-ordination Assessment.
8. Ambulatory aids in Neurological rehabilitation.

III. Short answers on:

(10 x 2 = 20)

1. Apraxia.
2. Souque's phenomenon.
3. Orthosis in Median Nerve Injury.
4. Rood's approach.
5. Tarsal Tunnel Syndrome.
6. Stages of Muscular Dystrophy.
7. Tourniquet's palsy.
8. Immobilization and its complication.
9. Electromyography.
10. Grading of muscle power.

THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

[BPT 0423]

**APRIL 2023
(FEBRUARY 2023 EXAM SESSION)**

Sub. Code: 6265

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
FOURTH YEAR
(Candidates admitted upto the academic year 2016-2017)
PAPER II – P.T. IN NEUROLOGY**

Q.P. Code: 746265

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Spasticity. Explain in detail P.T Assessment and Management for spasticity.
2. Discuss in detail P.T Assessment and Management of Bell's palsy.

II. Write notes on:

(8 x 5 = 40)

1. Assessment of sensory system.
2. Neuro Development Therapy.
3. P.T management of Acute Head Injury.
4. Spinal Muscular Atrophy.
5. Patient Positioning for Acute Hemiplegic.
6. Facilitation techniques.
7. Foot deformities in Polio.
8. P.T management of Claw hand.

III. Short answers on:

(10 x 2 = 20)

1. Foot drop splint.
2. Muscle spindle.
3. D2 extension pattern for upper Limb.
4. Primitive reflexes.
5. Brown Sequard syndrome.
6. Postural Hypotension.
7. Dysmetria.
8. APGAR score.
9. Prevention of Polio.
10. Modified Ashworth Scale.

THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

[BPT 1123]

**NOVEMBER 2023
(AUGUST 2023 EXAM SESSION)**

Sub. Code: 6265

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
FOURTH YEAR
(Candidates admitted upto the academic year 2016-2017)
PAPER II – P.T. IN NEUROLOGY**

Q.P. Code: 746265

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Write in detail about the P.T Assessment and management for 20 years old male with Brachial Plexus Injury.
2. Discuss the P.T management for Diplegic Cerebral Palsy.

II. Write notes on:

(8 x 5 = 40)

1. Assessment of balance.
2. P.T management for Post Surgical Meningioma.
3. PNF Techniques.
4. Brainstem reflexes and its significance.
5. Gait training for stroke.
6. P.T management for acute GBS.
7. Post Polio syndrome.
8. Multisensory Coma Stimulation therapy.

III. Short answers on:

(10 x 2 = 20)

1. Rood's approach.
2. Abdominal muscles.
3. VIII cranial nerve and its functions.
4. Theories of motor learning.
5. Foam roll in neuro P.T.
6. UPDRS.
7. Prognosis for Multiple sclerosis.
8. Timed 10 meter walk test.
9. Heterotopic ossification P.T – role.
10. Parkinson's plus syndrome.

THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

[BPT 0824]

AUGUST 2024

Sub. Code: 6265

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
FOURTH YEAR**

(Candidates admitted upto the academic year 2016-2017)

PAPER II – P.T. IN NEUROLOGY

Q.P. Code: 746265

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe the structure and function of the basal ganglia, including their role in motor control and the pathophysiology of Parkinson's disease. Discuss current PT Treatment options for Parkinson's disease.
2. Discuss the current understanding of Amyotrophic Lateral Sclerosis, including its etiology, pathogenesis, clinical presentation and potential PT Treatment options.

II. Write notes on:

(8 x 5 = 40)

1. Explain the differences between ischemic and hemorrhagic stroke and its treatment.
2. Bell's palsy.
3. Carpal tunnel syndrome.
4. Assessment of Deep Tendon Reflexes.
5. Guillain- barre syndrome.
6. Assessment of functional activity.
7. Motor learning technique.
8. PT Treatment of Multiple Sclerosis.

III. Short answers on:

(10 x 2 = 20)

1. Compare and contrast myelinated and unmyelinated neurons.
2. Describe the autonomic nervous system.
3. Describe the blood-brain barrier.
4. What is the purpose of a lumbar puncture?
5. Briefly explain the two main classification systems for CP.
6. Reflex sympathetic dystrophy.
7. Baragnosis.
8. Cerebellar dysfunction.
9. Cock-up splint.
10. Asymmetrical Tonic Neck reflex.

THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

[BPT 0225]

FEBRUARY 2025

Sub. Code: 6265

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
FOURTH YEAR**

(Candidates admitted upto the academic year 2016-2017)

PAPER II – P.T. IN NEUROLOGY

Q.P. Code: 746265

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define cerebral palsy. Write in detail about the clinical features, classification, evaluation and treatment of child with spastic Diplegic cerebral palsy.
2. Discuss in detail about the causes, assessment and PT management of stroke and differentiate between anterior cerebral artery syndrome and middle cerebral artery syndrome.

II. Write notes on:

(8 x 5 = 40)

1. Bladder re-training.
2. Assessment of 8th cranial nerve.
3. Compare the function of the sympathetic and parasympathetic nervous systems.
4. Plantar reflex and significance of Babinski's sign.
5. Functional electrical stimulation.
6. Management of brachial plexus injury.
7. Sensory re-education.
8. Difference between rigidity and spasticity.

III. Short answers on:

(10 x 2 = 20)

1. What is the role of the blood-brain barrier?
2. Define the following terms: epilepsy, meningitis, migraine, Coma.
3. Primary function of the parietal lobe.
4. Common symptom of multiple sclerosis.
5. Use of an electroencephalogram.
6. Types of memory.
7. Gag reflex.
8. Stereognosis.
9. Bell's palsy.
10. Pseudo bulbar palsy.

THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

[BPT 0825]

AUGUST 2025

Sub. Code: 6265

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
FOURTH YEAR**

(Candidates admitted upto the academic year 2016-2017)

PAPER II – P.T. IN NEUROLOGY

Q.P. Code: 746265

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail about the P.T Assessment and Management of 25 years old male with D10 complete Spinal Cord Injury.
2. Write in detail about P.T Assessment and Management of a patient with Radial Nerve injury at Humerus.

II. Write notes on:

(8 x 5 = 40)

1. Brunnstrom stages of Stroke Recovery.
2. Home exercise program for Parkinson's disease.
3. P.T Management of Shoulder Hand Syndrome.
4. Autonomic Dysreflexia.
5. Blood supply of Brain.
6. Muscle re-education.
7. Co-ordination Assessment.
8. Ambulatory aids in Neurological rehabilitation.

III. Short answers on:

(10 x 2 = 20)

1. Apraxia.
2. Souques' phenomenon.
3. Orthosis in Median Nerve Injury.
4. Rood's approach.
5. Tarsal Tunnel Syndrome.
6. Stages of Muscular Dystrophy.
7. Tourniquet palsy.
8. Immobilization and its complication.
9. Electromyography.
10. Grading of muscle power.
