

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

[LR 1220]

**DECEMBER 2020
(AUGUST 2020 EXAM SESSION)**

Sub. Code: 6285

**BPT DEGREE EXAMINATION
THIRD YEAR**

(New regulations for the candidates admitted from 2017-2018 onwards)

PAPER V – CLINICAL NEUROLOGY

Q.P. Code : 746285

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Define epilepsy. Describe in detail the classification, pathogenesis, clinical features, investigation and management of epilepsy.
2. Write in detail about causes, clinical features, investigation and management of spina bifida.

II. Write notes on:

(10 x 5 = 50)

1. Craniovertebral junction anomalies
2. Difference between UMN and LMN lesion
3. Radial nerve injury
4. Sensory assessment
5. Alzheimer's disease and its management
6. Hydrocephalus
7. Spinal arachnoiditis and its management
8. Any two secondary complication of spinal cord injury
9. Syringomyelia
10. Modified ashworth scale

III. Short answer on:

(10 x 2 = 20)

1. Babinski sign
2. Nystagmus
3. Rigidity
4. Bell's phenomena
5. Thalamic pain
6. Check reflex
7. Rinne's test
8. Proprioception
9. Tensilon test
10. Any two non-equilibrium coordination tests

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

[BPT 0921]

SEPTEMBER 2021
(FEBRUARY 2021 EXAM SESSION)

Sub. Code: 6285

BPT DEGREE EXAMINATION
THIRD YEAR
(Regulations for the candidates admitted from 2017-2018 onwards)
PAPER V – CLINICAL NEUROLOGY
Q.P. Code : 746285

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on: (2 x 15 = 30)

1. Describe in detail of pathology, signs, symptoms, investigation, medical and surgical management of Head injury.
2. Write in detail of classification of peripheral nerve injury. Describe in detail about Radial nerve injury and its medical management.

II. Write notes on: (10 x 5 = 50)

1. Wind swift deformity.
2. Risk factors of stroke.
3. Medical management of parkinsonism.
4. Primitive reflex.
5. Muscular dystrophy.
6. Carpal tunnel syndrome.
7. Progressive muscular atrophy.
8. Cerebellar ataxia.
9. Petit mal.
10. Nystagmus.

III. Short answer on: (10 x 2 = 20)

1. Name out brain tumour.
2. Radiating pain.
3. Causes of stroke.
4. Skeleton hand.
5. Micrographia.
6. Root value of sciatic nerve.
7. Neuron.
8. Definition – epilepsy.
9. Bells phenomenon.
10. Medical management of Poliomyelitis.

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

[BPT 0122]

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

Sub. Code: 6285

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
THIRD YEAR- (Regulation from 2017-2018 onwards)
PAPER V – CLINICAL NEUROLOGY
*Q.P. Code : 746285***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Trace the anatomy of the Visual Pathways. Explain the extra ocular movements and muscles involved.
2. What is Mechanical back pain. Outline the causes, prevention and medical management using physiotherapy.

II. Write notes on:

(10 x 5 = 50)

1. Samson Cock up splint.
2. Covid-19 infection – CNS manifestations.
3. Ape thumb Deformity.
4. Plantar Fascitis Pain.
5. Types of Epilepsy.
6. Primitive Grasp reflex.
7. Glossopharyngeal Neuralgia.
8. Frozen Shoulder Pain.
9. De Quervain syndrome.
10. Features of Spastic Diplegia.

III. Short answer on:

(10 x 2 = 20)

1. Visual problems in Myesthenia Gravis.
2. Oxycephaly (Tower skull deformity).
3. Function of Detrusor Muscle.
4. Convexity Meningioma.
5. Significance of Muscle Fasciculations.
6. Cerebral Venous Thrombosis.
7. Disuse Muscular Atrophy.
8. Patient Mobilisation in Spinal Injuries.
9. Clinical testing for Touch, Pain & Temperature.
10. TIA in Brain Attack.

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

[BPT 0622]

JUNE 2022

Sub. Code: 6285

(FEBRUARY 2022 EXAM SESSION)

BACHELOR OF PHYSIOTHERAPY DEGREE COURSE

THIRD YEAR- (Regulation from 2017-2018 onwards)

PAPER V – CLINICAL NEUROLOGY

Q.P. Code : 746285

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the bladder control and the various type of Neurology related bladder dysfunction.
2. Define Neuro Muscular junction. Discuss in detail about the causes, clinical features, Investigation and Treatment of Myasthenia Gravis.

II. Write notes on:

(10 x 5 = 50)

1. Difference between Bell's and Facial palsy.
2. Entrapment neuropathy.
3. Extra pyramidal Tract.
4. Millard-gubuler syndrome.
5. Ulnar nerve palsy.
6. Stages of Duchenne muscular dystrophy.
7. Functional areas of cerebrum.
8. Paraplegia.
9. Progressive bulbar palsy.
10. Types of Rigidity.

III. Short answer on:

(10 x 2 = 20)

1. Carpal tunnel syndrome.
2. Barognosis.
3. IIIrd nerve palsy.
4. Weber test.
5. Neurotmesis.
6. Visual Analog scale.
7. Cold calorie test.
8. Corneal reflex.
9. Cauda equine syndrome.
10. Myelomeningocele.

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

[BPT 1022]

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

Sub. Code: 6285

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
THIRD YEAR- (Regulation from 2017-2018 onwards)
PAPER V – CLINICAL NEUROLOGY
*Q.P. Code : 746285***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss in detail the aetiology, clinical features, pathology and management of Parkinson disease.
2. Describe the definition, pathophysiology, clinical manifestation and management of Gullian barre syndrome.

II. Write notes on:

(10 x 5 = 50)

1. Brachial plexus.
2. Difference between UMN and LMN palsy.
3. Glasgow coma scale.
4. Brown Sequard syndrome.
5. Muscular dystrophy.
6. Paraplegia.
7. Primitive reflexes.
8. Diabetic neuropathy.
9. UMN 7th Cranial nerve palsy.
10. Signs of Meningitis.

III. Short answer on:

(10 x 2 = 20)

1. Foot drop.
2. Ataxia.
3. Babinski sign.
4. Brocas Aphasia.
5. Lacunar infarct.
6. Hemianopia.
7. Fasciculations.
8. Rigidity.
9. Neurogenic claudication.
10. Syringobulbia.

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

[BPT 0423]

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

Sub. Code: 6285

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
THIRD YEAR - (Regulation from 2017-2018 onwards)
PAPER V – CLINICAL NEUROLOGY**

Q.P. Code: 746285

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. What is stroke? Describe in detail about types, causes, clinical manifestation and treatment of stroke.
2. What is meningitis? Explain in detail about types, causes, clinical features and treatment of meningitis.

II. Write notes on:

(10 x 5 = 50)

1. Circle of Willis.
2. Grading of muscle power.
3. Aphasia.
4. Difference between spasticity and rigidity.
5. Clinical manifestation of Cerebellar dysfunction.
6. Tabes dorsalis.
7. Peripheral neuropathy.
8. Horner's syndrome.
9. Hydrocephalus.
10. Deep tendon reflexes.

III. Short answer on:

(10 x 2 = 20)

1. Enumerate Cranial Nerves.
2. Gower's sign.
3. Bell's phenomenon.
4. Beevor's sign.
5. Transient ischemic attack.
6. Wrist drop.
7. Rinne's test.
8. Waddling gait.
9. Lower motor neuron lesion.
10. Argyll Robertson pupil.

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

[BPT 1123]

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

Sub. Code: 6285

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
THIRD YEAR - (Regulation from 2017-2018 onwards)
PAPER V – CLINICAL NEUROLOGY**

Q.P. Code: 746285

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Trace the course of the optic nerve, different pathological ways it can be affected and various types of visual defects it can produce.
2. Describe the external appearance and neurological deficits associated with lumbar Spina bifida occulta in a three years old male baby.

II. Write notes on:

(10 x 5 = 50)

1. Wallerian degeneration.
2. Significance of Babinski sign.
3. M.R.C. muscle grading.
4. Grades of spasticity.
5. Lead Neuropathy.
6. Types of Hydrocephalus.
7. Lhermittes sign.
8. Wrist drop – Causes.
9. Arnold Chiari Malformation – Types.
10. Bell's Palsy – Physiotherapy management.

III. Short answer on:

(10 x 2 = 20)

1. Neurogenic bladder.
2. Foramen Magnum.
3. Gower's sign.
4. Occipital cortex.
5. Types of Gait.
6. Calipers in Cerebral Palsy.
7. Syringomyelia.
8. Cerebral Arterio Venous Malformation.
9. Types of Brain Tumors.
10. Trigeminal neuralgia.

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

[BPT 0824]

AUGUST 2024

Sub. Code: 6285

**BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION
THIRD YEAR - (Regulation from 2017-2018 onwards)
PAPER V – CLINICAL NEUROLOGY**

Q.P. Code: 746285

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Draw a diagram of the Human Brain and mark the various anatomic divisions, including lobes and areas concerned with olfaction, Vision, Hearing, Motor function, sensory function, speech and memory.
2. Describe the causes, clinical features, treatment and prognosis of lumbo sacral meningocele in a child.

II. Write notes on:

(10 x 5 = 50)

1. What is Brain aneurysm and describe its complications.
2. Carpel Tunnel Syndrome.
3. Types of Hydrocephalus.
4. Spasticity and Flaccidity.
5. Hypertensive Cerebral Hemorrhage.
6. Tremors in Parkinsonism.
7. Anal reflex.
8. Syringobulbia.
9. Cog wheel Rigidity.
10. Transporting injured Patients.

III. Short answer on:

(10 x 2 = 20)

1. Foramen Rotundum.
2. Faradic stimulation.
3. Foster Kennedy Syndrome.
4. Semicircular Canals in Stability.
5. Brain death.
6. Pyramidal decussation.
7. Basilar Invagination.
8. Lumbar Disc Prolapse.
9. Innervation of Tongue.
10. Paracentral Lobule.

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

[BPT 0225]

FEBRUARY 2025

Sub. Code: 6285

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
THIRD YEAR - (Regulation from 2017-2018 onwards)
PAPER V – CLINICAL NEUROLOGY**

Q.P. Code: 746285

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Elaborate an essay on Causes, Types, Clinical Features and Management of Cerebral Palsy.
2. Explain in detail about Parkinson's Disease.

II. Write notes on:

(10 x 5 = 50)

1. Meningitis.
2. Spinalmuscular Atrophy.
3. Dysarthria and its types.
4. Define Tone.
5. Metastatic Tumour.
6. Pyramidal Tract.
7. Lumbar Disc Diseases.
8. Circulation of CSF.
9. Polar brain damage.
10. Myelomeningocele.

III. Short answer on:

(10 x 2 = 20)

1. Horner's syndrome.
2. Flaccid Bladder.
3. Kernig's Sign.
4. Myoclonus.
5. Waddling Gait.
6. Battle's Sign.
7. Wernicke's Aphasia.
8. Bradykinesia.
9. Bell's phenomenon.
10. Acute Pain.
