

February 2009

[KU 987]

Sub. Code: 5182

**BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION**

**Fourth Year**

**Non-Semester Regulations and Seventh Semester**

**(Modified / New Modified Regulations)**

**NEUROLOGY FOR PHYSIOTHERAPIST**

**(CLINICAL NEUROLOGY)**

***Q.P. Code : 745182***

**Time : Three hours**

**Maximum : 100 marks**

**Answer All questions**

**Draw suitable diagrams wherever necessary**

**I. Essays: (2 x 15 = 30)**

1. Describe the clinical features, Aetiological factors and the management of cerebral palsy.
2. Discuss Gullain Barre syndrome its clinical course and management.

**II. Short Notes : (10 x 5 = 50)**

1. Wrist Drop.
2. Entrapment Neuropathy.
3. Spina Bifida Occulta.
4. Extra Dural Haematoma.
5. Spondylolisthesis.
6. Visual field defects.
7. Tremors.
8. Cervical spondylosis.
9. Meningo myelocoele.
10. Diabetic neuritis.

**III. Short Answer: (10 x 2 = 20)**

1. Neuro transmitters.
2. Glasgow coma scale.
3. Muscle spindle.
4. Neurogenic Bladder.
5. Aqueduct stenosis.
6. Claw Hand.
7. Froin's syndrome.
8. Intra cranial tumours.
9. Conus medullaris.
10. Myasthenia Gravis.

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**(CLINICAL NEUROLOGY)**

*Q.P. Code : 745182*

**Time : Three hours**

**Maximum : 100 marks**

**Answer All questions**

**Draw suitable diagrams wherever necessary**

**I. Essays: (2 x 15 = 30)**

1. Draw the cross section of spinal cord and describe the functions of spinal cord tracts and discuss the clinical features of a D10 Transverse myelitis.
2. Describe the clinical features of different type of traumatic brain injury and the pathophysiology and first aid to these patients.

**II. Short Notes : (10 x 5 = 50)**

1. Sensory ataxia.
2. Normal pressure hydrocephalus.
3. CSF in TB meningitis.
4. Radial nerve palsy.
5. Syringomyelia.
6. Circle of willis.
7. Bever's Sign.
8. Flaccid paraplegia.
9. Poly myositis.
10. Autism.

**III. Short Answer: (10 x 2 = 20)**

1. Features of lower motor neuron paralysis.
2. Anal reflex.
3. Brain death.
4. Anti epileptic drug.
5. Electromyography.
6. Brachial plexus.
7. Lumbar puncture.
8. Extra ocular muscles of the eye.
9. Gower's sign.
10. Grades of spasticity.

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**Time : Three hours**

**Maximum : 100 marks**

**Answer All questions.**

**Draw suitable diagrams wherever necessary**

**I. Essays: (2 x 15 = 30)**

1. Draw the diagram of internal capsule and discuss various causes of lesions in the internal capsule and describe the clinical features of a lesion.
2. Discuss epilepsy under the following headings:  
**a) Definition b) Pathophysiology and c) Causes.**  
Describe in detail a typical episode of tonic and clonic seizure.

**II. Short Notes : (10 x 5 = 50)**

1. CSF in pyogenic meningites.
2. Parkinson's disease.
3. Waddling gait.
4. Clinical features of brain stem injury.
5. Entrapment neuropathies.
6. Myasthenic crisis.
7. Charcot joints.
8. Bell's palsy.
9. Brain death.
10. Micturition reflex.

**III. Short Answer: (10 x 2 = 20)**

1. Dermatomes of upper limb.
2. Neural pathway of knee jerk.
3. Motor supply of median nerve.
4. Moro's reflex.
5. Clinical features of deep peroneal nerve injury.
6. Poliomyelitis.
7. Traumatic paraplegia.
8. Meralgia paraesthetica.
9. Lower motor neuron lesion.
10. Composition of CSF.

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**Fourth Year Non-Semester Regulations and Seventh Semester**

**(Modified / New Modified Regulations)**

**NEUROLOGY FOR PHYSIOTHERAPIST**

**(CLINICAL NEUROLOGY)**

***Q.P. Code : 745182***

**Time : Three hours**

**Maximum : 100 marks**

**ANSWER ALL QUESTIONS**

**Draw suitable diagrams wherever necessary**

**I. Essays:**

**(2X15=30)**

1. Describe the etiology and classification of Cerebral palsy. Outline the clinical features and management of 2 years old child with Spastic Diplegia.
2. Draw the Cross – section of the Spinal cord and describe the functions of Spinal cord tracts. Discuss the clinical features of D<sub>10</sub> Transverse Myelitis.

**II. Short Notes :**

**(10X5=50)**

1. Foot Drop.
2. Peripheral Nerve Injury.
3. Carpel Tunnel Syndrome.
4. Trigeminal Neuralgia.
5. Circle of Willis.
6. Status Epilepticus.
7. Sensory Ataxia.
8. Waddling Gait.
9. Spina Bifida.
10. Dementia.

**III. Short Answers:**

**(10X2=20)**

1. Rheumatic Paraplegia.
2. Poliomyelitis.
3. Grades of Spasticity.
4. Anal Reflex.
5. Scissor Gait.
6. Wrist Drop.
7. Lumbar Puncture.
8. Brain Death.
9. Gower's Sign.
10. Bever's Sign.

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**BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION**

**Fourth Year Non-Semester Regulations and Seventh Semester  
(Modified / New Modified Regulations)**

**NEUROLOGY FOR PHYSIOTHERAPIST  
(CLINICAL NEUROLOGY)**

*Q.P. Code : 745182*

**Time : Three hours**

**Maximum : 100 marks**

**ANSWER ALL QUESTIONS**

**Draw suitable diagrams wherever necessary**

**I. Essays:**

**(2X15=30)**

1. Describe the definitions pathogenesis, pathophysiology, clinical manifestation, laboratory investigation and treatment of Guillan Barre Syndrome.
2. Describe the pathophysiology, clinical features, diagnosis and treatment of Myasthenia Gravis. **(5+3+3+4)**

**II. Short Notes :**

**(10X5=50)**

1. Ataxia.
2. Bell's palsy.
3. Motor neuron disease.
4. Acute transverse myelitis.
5. Multiple sclerosis – Types.
6. Ulnar neuropathy.
7. Becker muscular dystrophy.
8. Cerebral palsy.
9. Etiopathogenic causes of dementia.
10. Management of stroke.

**III. Short Answers:**

**(10X2=20)**

1. Tremor.
2. Anterior spinal artery syndrome.
3. CSF picture (Cerebro spinal fluid) in Guillan Barre syndrome.
4. Name some demyelinating diseases.
5. Kernig's sign.
6. Cerebral diplegia.
7. Gait in Parkinson's disease.
8. Partial seizure.
9. Myasthenic crisis.
10. Superficial reflexes.

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August 2011

[KZ 6264]

Sub. Code : 6264

**BACHELOR OF PHYSIOTHERAPY EXAMINATION**

**FOURTH YEAR / SEVENTH SEMESTER**

**CLINICAL NEUROLOGY / NEUROLOGY FOR PHYSIOTHERAPISTS**

*Q.P. Code : 746264*

**Time : Three hours**

**Maximum : 100 marks**

**ANSWER ALL QUESTIONS**

**I. LONG ESSAYS**

**(2X20=40)**

1. Define Neuro Muscular junction. Discuss in detail about the causes, clinical features, Investigation and Treatment of Myasthenia Gravis.
2. Define TONE. Enumerate the difference between Spasticity and Rigidity. Discuss in detail about the assessment, Investigations Management of Spasticity.

**II. SHORT NOTES**

**(8X5=40)**

1. Bell's Palsy.
2. Trigeminal Neuralgia.
3. Theories of PAIN.
4. Subarachinoid Hemorrhage.
5. Tuberculous Meningitis – Sequale.
6. Hydrocephalus.
7. Seddon's Classification.
8. Tumors of Spinal Cord.

**III. SHORT ANSWERS**

**(10X2=20)**

1. Beever's Sign.
2. C6 Myotome.
3. Gower Sign.
4. Brocas Aphasia.
5. Cross Hemiplegia.
6. High Stepping Gait.
7. Argyl – Robertson pupil.
8. Ulnar Claw Hand.
9. Amyotrophic Lateral Sclerosis.
10. Athetosis.

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[LB 6264]

AUGUST 2012

Sub. Code: 6264

FOURTH YEAR / SEVENTH SEMESTER BPT EXAM

CLINICAL NEUROLOGY / NEUROLOGY

FOR PHYSIOTHERAPISTS

*Q.P. Code: 746264*

**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. Discuss the bladder control and the various type of Neurology related bladder dysfunction. | 19 | 33 | 20 |
| 2. Classify and discuss on Hydrocephalus.   | 19 | 33 | 20 |

**II. Write Notes on:**

- |                              |   |   |   |
|------------------------------|---|---|---|
| 1. Ataxic cerebral palsy.    | 3 | 8 | 5 |
| 2. Closed Head Injury.       | 3 | 8 | 5 |
| 3. Third ventricle of brain. | 3 | 8 | 5 |
| 4. Memory.                   | 3 | 8 | 5 |
| 5. Grading of Muscle Power.  | 3 | 8 | 5 |
| 6. Dorsal roots.             | 3 | 8 | 5 |
| 7. Disc Prolapse.            | 3 | 8 | 5 |
| 8. Glioma.                   | 3 | 8 | 5 |

**III. Short Answers:**

- |  |   |   |   |
|--|---|---|---|
| 1. Uppor motor neuron facial weakness. | 1 | 5 | 2 |
| 2. Hemisensory loss.                   | 1 | 5 | 2 |
| 3. Anosmia.                            | 1 | 5 | 2 |
| 4. Jaw Jerk.                           | 1 | 5 | 2 |
| 5. Lacunar Stroke.                     | 1 | 5 | 2 |
| 6. Dementia.                           | 1 | 5 | 2 |
| 7. Myotonia.                           | 1 | 5 | 2 |
| 8. Motor aphasia.                      | 1 | 5 | 2 |
| 9. Brain stem.                         | 1 | 5 | 2 |
| 10. Hemianopia.                        | 1 | 5 | 2 |

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[LC 6264]

FEBRUARY 2013

Sub. Code: 6264

**FOURTH YEAR / SEVENTH SEMESTER BPT EXAM  
CLINICAL NEUROLOGY / NEUROLOGY FOR  
PHYSIOTHERAPISTS**

*Q.P. Code: 746264*

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

**Maximum: 100 marks**

**I. Elaborate on:**

**(2x20=40)**

1. Discuss in detail about Tuberculous infection of central nervous system.
2. Discuss in detail about various types of entrapment Neuropathies.

**II. Short Notes :**

**(8x5=40)**

1. Lower motor neuron weakness.
2. Waddling gait.
3. Vertigo.
4. Truncal ataxia.
5. Tone.
6. Posture.
7. Ankle Jerk.
8. Referred pain.
9. Ptosis.
10. Saddle anaesthesia.

**III. Short Answers**

**(10x2=20)**

1. Nystagmus.
2. Neurogenic claudication.
3. Biceps Jerk.
4. Monoplegia.
5. Dysarthria.
6. Mid brain.
7. Subdural hematoma.
8. Hyperacusis.
9. Horner's syndrome.
10. Rigidity.

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[LD 6264]

AUGUST 2013

Sub. Code: 6264

**FOURTH YEAR/SEVENTH SEMESTER BPT EXAM  
CLINICAL NEUROLOGY / NEUROLOGY FOR  
PHYSIOTHERAPIST**

*Q.P. Code : 746264*

**Time: Three Hours**

**Maximum: 100 marks**

**I. Elaborate on:**

**(2X20=40)**

1. Discuss in detail the etiology, clinical features, investigation and management of Duchenne Muscular Dystrophy
2. Discuss in detail the etiology, clinical features, investigation and management of Spastic Cerebral Palsy

**II. Write Notes on:**

**(8X5=40)**

1. ADEM
2. Meningitis
3. Diabetic neuropathy
4. Craniovertebral junction anomalies
5. MND and its management.
6. Thoracic outlet syndrome
7. Define pain and its management
8. Dementia and its management

**III. Short Answers:**

**(10X2=20)**

1. Ashworth scale of spasticity
2. What is Syringobulbia?
3. Risk factors for stroke
4. CSF changes in GBS.
5. Drugs used in the management of HIV
6. Clinical signs of Hydrocephalus
7. Deformities seen in CP
8. What is Spinal Muscular Atrophy ?
9. Diagnostic tests in the examination of Peripheral nerve disorder
10. Commonly used therapeutic management of tumors

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