

[KM 918]

Sub. Code : 5161

BACHELOR OF PHYSIOTHERAPY DEGREE
EXAMINATION.

Fifth/Seventh Semester

(Revised Regulations/Transitory/Modified Regulations)

Paper I — NEUROLOGY FOR PHYSIOTHERAPIST
(CLINICAL NEUROLOGY)

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. Essay questions :

(2 × 15 = 30)

(1) Describe the aetiology, clinical features and management of Parkinson's disease.

(2) Classify cerebral palsies. Describe the aetiology clinical feature and management of cerebral palsy.

II. Short notes :

(10 × 5 = 50)

(a) Neurophysiology of tone.

(b) Syringomyelia.

(c) Hydrocephalus.

(d) Cauda equina lesion.

Foot drop.

(f) Cerebellar lesion.

(g) Head injury.

(h) Motor neuron disease.

(i) Assessment of VII cranial nerve.

(j) Neurogenic bladder.

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B.P.T. DEGREE EXAMINATION.

Seventh Semester

(New Modified Regulations)

Paper II — NEUROLOGY FOR PHYSIOTHERAPIST
(CLINICAL NEUROLOGY)

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. Essay : (2 × 15 = 30)

(1) Define and classify Muscular dystrophy. Discuss the aetiology, clinical features, treatment and rehabilitative measures of DMD.

(2) Draw and label circle of Willis. What are the risk factors of stroke? Describe the aetiology, clinical features and management of Haemorrhagic stroke.

II. Short notes :

(10 × 5 = 50)

- (a) Neurophysiology of pain.
- (b) Bell's palsy.
- (c) First aid in spinal and injuries.
- (d) Multiple sclerosis.
- (e) Paralytic stage of poliomyelitis.
- (f) Transverse Myelitis.
- (g) Locomotor Ataxia.
- (h) Guillain barrie Syndrome.
- (i) Spinabifida.
- (j) Myasthenia Gravis.

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Fifth/Seventh Semester

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**Paper I — NEUROLOGY FOR PHYSIOTHERAPIST
(CLINICAL NEUROLOGY)**

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. Essay : (2 × 15 = 30)

(1) Define polyneuropathy. Discuss the classification, aetiology, clinical features and management of neuropathies.

(2) Describe the clinical features, investigation and treatment of acute spinal injury.

II. Short notes :

(10 × 5 = 50)

- (a) Claw hand
- (b) Foot drop
- (c) Tuberculous meningitis
- (d) Erbs palsy
- (e) Cerebellum
- (f) Cerebral palsy
- (g) Lacunar stroke
- (h) Cauda Equina Syndrome
- (i) Oculomotor nerve
- (j) Visual pathway.

August-2005

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II. Short notes :

(10 × 5)

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Seventh Semester

(New Modified Regulations)

Paper II — NEUROLOGY FOR PHYSIOTHERAPIST
(CLINICAL NEUROLOGY)

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. Essay : (2 × 15 = 30)

(1) Discuss the aetiology, clinical features, complications and Management of Guillian Barre syndrome.

(2) Discuss the risk factors, clinical features and Management of Embolic stroke.

- (a) Wrist Drop.
- (b) Carpal tunnel syndrome.
- (c) Quadiplegia.
- (d) Dissociated sensory loss.
- (e) Neurogenic bladder.
- (f) Diagnostic tests in Multiple Sclerous.
- (g) Motor Neuron Disease.
- (h) Normal Pressure Hydrocephalus.
- (i) Chorea.
- (j) TIA.

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**BACHELOR OF PHYSIOTHERAPY DEGREE
EXAMINATION.**

Fifth/Seventh Semester

(Revised Regulations/Transitory/Modified Regulations)

**Paper I — NEUROLOGY FOR PHYSIOTHERAPIST
(CLINICAL NEUROLOGY)**

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. Essay questions :

(2 × 15 = 30)

**(1) Describe etiopathogenesis, clinical features,
Diagnosis and management of MYASTHENIA GRAVIS?**

**(2) Define and classify epilepsy. Describe
management of Epilepsy.**

II. Short notes :

(10 × 5 = 50)

- (a) Pyramidal Tract**
 - (b) Muscle power assesment**
 - (c) Motor unit**
 - (d) Syringomyelia**
 - (e) Entrapement Neuropathy**
 - (f) Wrist drop**
 - (g) Ataxia**
 - (h) Extradural Hematoma**
 - (i) Intramedullary tumours**
 - (j) Amyotrophic Lateral Sclerosis.**
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B.P.T. DEGREE EXAMINATION.

Seventh Semester

(New Modified Regulations)

**Paper II — NEUROLOGY FOR PHYSIOTHERAPIST
(CLINICAL NEUROLOGY)**

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**

Draw suitable diagrams wherever necessary.

Answer ALL questions.

I. Essay : (2 × 15 = 30)

(1) Describe definition, etiology, clinical manifestations and management of PARKINSONS SYNDROME.

(2) Draw and label cross sections of spinal cord. What are the causes of paraplegia? How do you manage paraplegia?

II. Short notes :

(10 × 5 = 50)

- (a) Basal ganglion.
- (b) Hemianopia.
- (c) Diabetic neuropathy.
- (d) Motor aphasia.
- (e) Pyogenic meningitis.
- (f) Subdural hematoma.
- (g) Extradural tumour.
- (h) Lumbar puncture.
- (i) Cerebral palsy.
- (j) Hydrocephalus.

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B.P.T. DEGREE EXAMINATION.

Seventh Semester

(New Modified Regulations)

Paper II — NEUROLOGY FOR PHYSIOTHERAPIST
(CLINICAL NEUROLOGY)

Time : Three hours Maximum : 100 marks

Theory : Two hours and Theory : 80 marks
 forty minutes

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay :

(1) Describe the formation of the Brachial Plexus and the muscles supplied by the nerves arising there from. Outline the mechanism of Erb's palsy and its treatment. (20)

(2) How is muscle tone maintained? Describe the various types of hypertonia. (15)

(3) Describe the clinical features, investigations and treatment of acute spinal injury. (15)

II. Short notes :

(6 × 5 = 30)

- (a) Bell's palsy.
 - (b) Automatisms.
 - (c) Fasciculations.
 - (d) Sciatica.
 - (e) Dysphasia.
 - (f) Infantile Hemiplegia.
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II. Short Notes on :

(6 x 5 = 30)

B.P.T. DEGREE EXAMINATION.

Seventh Semester

(New Modified Regulations)

**Paper II — NEUROLOGY FOR PHYSIOTHERAPIST
(CLINICAL NEUROLOGY)**

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. Essay :

1. Describe clinical features, differential diagnosis, investigation and treatment of Parkinson disease. (20)
2. Define stroke. Write about Risk factor, pathophysiology of stroke investigation and treatment of stroke. (15)
3. Define Spasticity. Causes and pathophysiology of spasticity. Advantage, disadvantage, Treatment of spasticity. (15)

II. Short Notes on :

(6 x 5 = 30)

- (a) Carpal tunnel syndrome
- (b) Transcutaneous electrical nerve stimulation
- (c) Subacute combined degeneration of spinal
- (d) Status epilepticus
- (e) Babinski's sign
- (f) Scapular winging.

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II. Write short notes on :

(10 × 5 = 50)

B.P.T. DEGREE EXAMINATION.

Seventh Semester

(Modified/New Modified Regulations)

Paper II — NEUROLOGY FOR PHYSIOTHERAPIST

(CLINICAL NEUROLOGY)

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. Essay questions :

(1) What do you understand by the term **ENTRAPMENT NEUROPATHY**? Describe the symptoms and signs of one such lesion. (15)

(2) Describe the signs and symptoms of TRANSVERSE MYELITIS. How will you manage such a patient? (15)

- (a) Deep Tendon Reflexes.
- (b) Spasticity.
- (c) Subdural haematoma.
- (d) Partial complex seizures.
- (e) Neurogenic bladder.
- (f) Fasciculations.
- (g) Wrist drop.
- (h) Spina bifida
- (i) Ataxias.
- (j) Myasthenia gravis.

AUGUST 2008

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B.P.T. 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. Essay : (2 × 15 = 30)

1. Describe the etio-pathogenesis of stroke. Outline the clinical features and management of a right hemisphere, MCA territory stroke in a 40 year old male.

2. Classify Muscular Dystrophies. Describe the pathogenesis, clinical features and management of Duchennes Muscular dystrophy.

AUGUST 2008

II. Short notes on : (10 × 5 = 50)

1. Saturday night palsy.
2. Bell's palsy.
3. Optic Nerve.
4. Ataxia.
5. De mentia.
6. Basal Ganglia.
7. Erb's Palsy.
8. Spina Bifida.
9. Blood supply of the spinal cord.
10. Transverse Myelitis.

III. Write Short Answers. (10 × 2 = 20)

1. Festinant Gait.
2. MRC Grading of Muscle Power.
3. Name the thenar muscles and their nerve supply.
4. Dysdiadochokinesia.
5. Dermatomes of the lower limb.
6. Features of Upper Motro Neuron lesions.

7. List the clinical features of Brown-Sequard syndrome.

8. Lumbricals.

9. Motor supply of Trigeminal Nerve.

10. Taste sensation.
