

November-1993

Bachelor of Physiotherapy
Degree Examination

(New Regulations)

V Semester

Paper I—NEUROLOGY FOR PHYSIOTHERAPIST

Time : Three hours

Max. Marks : 100

1. Describe the visual pathway, Mention various normal and abnormal pupillary reflexes. [20]
2. What is tone in a muscle? What are the abnormalities in tone? How normal tone maintained in a muscle? [20]
3. Mention anterior horn cell diseases. Describe clinical features and management in acute stage of any one of them. [20]

4. Write short notes on November-1993

- (a) Spina bifida
- (b) Hydro cephalus
- (c) Aphasia
- (d) Nerve conduction velocity
- (e) Birth palsy

[40]

[N D 8 0 1] November-1994

BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION.

Fifth Semester

(New Regulations)

Paper I — NEUROLOGY FOR PHYSIOTHERAPIST

Time : Three hours.

Maximum : 100 marks.

Answer Section A and B in separate Answer Books.

SECTION A — (50 marks)

1. Answer any ONE of the following : (1 × 14 = 14)

(a) Explain about the assessment of gait abnormalities and add a note on abnormal gaits.

(b) Classify movement disorders. Describe the clinical features of Rheumatic chorea.

2. Answer any TWO of the following : (2 × 8 = 16)

(a) What is motor neurone disease? Describe clinical presentation of any two.

(b) Classify cerebral palsy. Explain presentation and management of spastic

(c) Grandmal Epilepsy.

3. Write short notes on any FIVE of the following : $(5 \times 4 = 20)$
- (a) Assessment of motor power.
 - (b) Spasticity.
 - (c) Brown-Sequard's syndrome.
 - (d) Circle of Willis.
 - (e) Neurogenic bladder.
 - (f) Foot drop.
 - (g) Bell's Palsy.

SECTION B — (50 marks)

4. Answer any ONE of the following : $(1 \times 14 = 14)$
- (a) What is entrapment neuropathy? Explain the clinical features of any two.
 - (b) Define CVA. Write down the causes, pathogenesis, clinical presentation and management of MCA infarct?
5. Answer any TWO of the following : $(2 \times 8 = 16)$
- (a) Describe the clinical features and the Pathogenesis of Parkinson's Disease.
 - (b) Explain the clinical features of various stages of periodontitis.
- Write down the causes and the clinical features of periodontitis and add a note on its management.

6. Write short notes on any FIVE : $(5 \times 4 = 20)$
- (a) Hydrocephalus.
 - (b) Meningomyelocele.
 - (c) ^{Kernig's} ~~Kernig's~~ Sign.
 - (d) Wrist Drop.
 - (e) Homonymous Hemianopia.
 - (f) Spinal muscular atrophy.
 - (g) Diabetic Neuropathy.

MB 918

**BACHELOR OF PHYSIOTHERAPY
DEGREE EXAMINATION
(NEW REGULATIONS)**

Fifth Semester
Paper-I Neurology For Physiotherapist

Time: Three hours Max. Marks:100
Answer Section A and B in separate Answer books

Section - A

1. Answer any ONE of the following: (1x14=14)
 - a) Describe the clinical assesment of Gait deviations.
Discuss the hemiplegic gait.
 - b) Describe the clinical assesment of muscle tone
Discuss the rigidity of Parkinson's disease
2. Answer any TWO of the following : (2x8=16)
 - a) Discuss the pathology, clinical features and management of hydrocephalus
 - b) Describe transverse myelitis, clinical features and its management .
 - c) Describe the pathology, signs and symptoms of C6 -C7 disc herniation and its physiotherapy.
3. Write short notes on any FIVE of the following (5x4=20)
 - a) Facial Nerve b) Scissors gait
 - c) Tremors d) Seizures

- e) Neuro-motor development
- f) Dementia g) Flaccid bladder

Section-B

Answer any ONE of the following: (1x14=14)

- a) Decribe the clinical signs and symptoms of Myelomeningocoele. What are the principles of physiotherapy management.
 - b. Describe the clinical picture of C.V.A. with left Hemiplegia and its management.
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2. Answer any two of the following: (2 X 8 = 16)
 - a. Describe muscular dystrophy and its types. Discuss the role of physiotherapy in its management.
 - b. Discuss cerebral palsy, its types and physiotherapy management.
 - c. Describe the clinical features and management of motor neurone disease.
 3. Write short notes on any Five: (5 X 4 = 20)
 - a). Carpal tunnel syndrome b). Radial Nerve injury
 - c). Contractures in P.P.R.P d). Diabetic neuropathy
 - e). Intra-cranial tumors f).syringomyelia
 - g). Neo-natal reflexes

**Bachelor of Physiotherapy
Degree Examination**

(Revised Regulations)

Fifth Semester

Paper I - CLINICAL NEUROLOGY

Time : Three hours

Max. : 100 marks.

Answer Sections A and B in separate answer books.

SECTION—A

1. Answer any ONE of the following in detail :
 - a) Management of cerebral palsy child having spastic diplegia.
 - b) Role of physiotherapy in minimising complications of hemiplegia. (14)
2. Answer briefly on any TWO of the following :
 - a) Clinical examination of cranial nerves.
 - b) Clinical features of parkinsonism and its management.
 - c) Abnormal gaits. (2X8 = 16)
3. Write short notes on any FIVE of the following :
 - a) Bell's palsy
 - b) Wheel chair activities
 - c) Ataxia
 - d) Transverse myelitis
 - e) Dysarthria
 - f) Myasthenia gravis
 - g) Romberg's sign (5X4 = 20)

SECTION—B April-1996

1. Answer any ONE of the following in detail :
 - a) Assessment of sensory system and its diagnostic importance.
 - b) Role of physiotherapist in paralytic poliomyelitis, affecting left lower limb. (14)
 2. Answer briefly any TWO of the following :
 - a) Clinical features and management of motor neurone disease.
 - b) Intracranial tumors
 - c) Tuberculous meningitis. (2X8 = 16)
 3. Write short notes on any FIVE of the following :
 - a) Apraxia
 - b) Peripheral neuropathy
 - c) Incoordination
 - d) Guillain-Barre's syndrome
 - e) Ulnar nerve injury
 - f) Myopathies
 - g) Multiple sclerosis (5X4 = 20)
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PK 910]

BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION.

Fifth Semester

(Revised Regulations)

Paper I — CLINICAL NEUROLOGY

Time : Three hours

Maximum : 100 marks

Answer Sections A and B in separate answer books.

SECTION A — (50 marks)

1. Write an essay on any ONE of the following : (1 × 14 = 14)
 - (a) Classify peripheral neuropathies. Give an account of the various types of neuropathies encountered in Diabetes mellitus.
 - (b) Assessment of patient with crossed hemiplegia.
2. Write brief answers on any TWO of the following : (2 × 8 = 16)
 - (a) Signs and symptoms of intracranial tumours.
 - (b) Management of acute anterior poliomyelitis.
 - (c) Management of Bell's palsy.
3. Write short notes on any FIVE of the following : (5 × 4 = 20)
 - (a) Hypotonia.
 - (b) Dissociated sensory loss.
 - (c) Brocas aphasia.
 - (d) Status epilepticus.
 - (e) Nystagmus.
 - (f) Carpal tunnel syndrome.
 - (g) Waddling gait.

[PK 910]

SECTION B — (50 marks)

4. Write an essay on any ONE of the following : (1 × 14 = 14)
 - (a) Assessment of seventh cranial nerve.
 - (b) Clinical features, complications and management of Guillain Barré syndrome.
5. Write brief answers on any TWO of the following : (2 × 8 = 16)
 - (a) Post meningitic sequelae.
 - (b) Pre-senile dementia.
 - (c) Parkinson's disease.
6. Write short notes on any FIVE of the following : (5 × 4 = 20)
 - (a) Claw hand.
 - (b) CSF findings in Tuberculous meningitis.
 - (c) Grading of muscle power.
 - (d) Atonic bladder.
 - (e) Intention tremors.
 - (f) Foot-drop.
 - (g) Babinsky's sign.

[PK 926]

BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION.

Fifth Semester

(New Regulations)

Paper I — NEUROLOGY FOR PHYSIOTHERAPIST

Time : Three hours

Maximum : 100 marks

Answer Sections A and B in separate answer books.

SECTION A — (50 marks)

1. Write an essay on any ONE of the following : (1 × 14 = 14)
 - (a) Role of physiotherapist in the management of a 60 year old man with motor neuron disease.
 - (b) Role of physiotherapist in a 50 year old comatosed patient.
2. Write brief answers on any TWO of the following : (2 × 8 = 16)
 - (a) Flexor spasms.
 - (b) Trophic ulcer.
 - (c) Cranio vertebral junction anomalies.
3. Write short notes on any FIVE of the following : (5 × 4 = 20)
 - (a) Pyogenic meningitis sequelae
 - (b) Urinary incontinence.
 - (c) Entrapment neuropathies.
 - (d) Chorea.
 - (e) Bulbar polio.
 - (f) Sciatica.
 - (g) Spinal cord tumors.

[PK 926]

SECTION B — (50 marks)

4. Write an essay on any ONE of the following : (1 × 14 = 14)
 - (a) Discuss the aetiology, pathogenesis and management of Parkinson's disease.
 - (b) Discuss the management of brachial plexus injury in the newborn child.
5. Write brief answers on any TWO of the following : (2 × 8 = 16)
 - (a) Sensory system.
 - (b) Cerebral palsy.
 - (c) Assessment of cerebellar functions.
6. Write short notes on any FIVE of the following : (5 × 4 = 20)
 - (a) Myoclonus.
 - (b) Tuberculous spine.
 - (c) Polymyositis.
 - (d) Psychomotor epilepsy.
 - (e) Aphasia.
 - (f) Extrapyramidal system — Components and its connections.
 - (g) AIDS — Dementia complex.

[MS 910]

**BACHELOR OF PHYSIOTHERAPY DEGREE
EXAMINATION.**

Fifth Semester

(Revised Regulations)

Paper I — CLINICAL NEUROLOGY

Time : Three hours

Maximum : 100 marks

**Answer Sections A and B in
separate answer books.**

SECTION A

1. Write an essay on any ONE of the following : (20 marks)

(a) Aetiology, Clinical features and management of Parkinson's disease.

(b) Management of a 40 year old patient with tuberculous meningitis.

2. Write short notes on any SIX : (6 × 5 = 30 marks)

(a) Dysarthria

(b) Polymyositis

(c) Petitmal epilepsy

(d) Subdural haematoma

(e) Carpal tunnel syndrome

(f) Claw hand

(g) Urinary incontinence

(h) Spina bifida.

[MS 910]

SECTION B

3. Write an essay on any ONE of the following : (20 marks)

(a) Management of spinal cord injury

(b) Clinical examination of cranial nerves

4. Write short notes on any SIX : (6 × 5 = 30 marks)

(a) Spinal arachnoiditis

(b) Pseudobulbar palsy

(c) Diplopia

(d) Diabetic neuropathy

(e) Assessment of sensory functions

(f) Blood supply of brain

(g) Basal ganglia

(h) Muscle tone.

October-1998

[SM 926]

**BACHELOR OF PHYSIOTHERAPY DEGREE
EXAMINATION.**

**Fifth Semester
(New Regulations)**

Paper I — NEUROLOGY FOR PHYSIOTHERAPIST

Time : Three hours

Maximum : 100 marks

Answer Sections A and B in separate answer books.

SECTION A

1. Write an essay on any ONE of the following : (20)
 - (a) Physio-therapeutic treatment in a case of right hemiplegic patient, avoiding the complications.
 - (b) Physio-therapeutic management of a Quadriplegic patient with lesion at C₇.
2. Write short notes on any SIX : (6 × 5 = 30)
 - (a) Wrist Drop
 - (b) Back management
 - (c) Pseudo-hypertrophic muscular dystrophy
 - (d) Splinting in Peripheral Nerve lesions
 - (e) Physio-therapy in Parkinsonism
 - (f) Muscle Spasm
 - (g) Spasticity in cerebral palsy
 - (h) Claw hand.

SECTION B

3. Write an essay on any ONE of the following : (20)
 - (a) Physio-therapeutic management of Parkinson's disease
 - (b) Physio-therapeutic management of shoulder pain and shoulder hand syndrome.

4. Write short notes on any SIX : (6 × 5 = 30)
 - (a) Wheel chair
 - (b) Milestones of development
 - (c) Radial Nerve Palsy
 - (d) Splinting in cerebral palsy
 - (e) Disuse atrophy
 - (f) Frankel's exercises
 - (g) Foot drop
 - (h) Respiratory function assessment in spinal cord lesion.

**BACHELOR OF PHYSIOTHERAPY DEGREE
EXAMINATION.**

Fifth Semester

**(Revised Regulations/New Regulations/Transitory
Regulations)**

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

Time : Three hours

Maximum : 100 marks

Answer Sections A and B in separate answer books.

SECTION A

1. Write an essay on any ONE of the following : (20)

**(a) Aetiology, Clinical features and management
of cerebral palsy.**

**(b) Management of a 25 years old patient with
Guillain Barre Syndrome.**

2. Write short notes on any SIX : (6 × 5 = 30 marks)

(a) Myasthenia gravis

(b) Multiple Sclerosis

(c) Facial Nerve

**(d) Relationship of spinal nerves to the spinal
cord segments**

(e) Neurophysiology of muscle contraction

(f) Saturday night palsy

(g) Hydrocephalus

(h) Primitive reflexes.

SECTION B

3. Write an essay on any ONE of the following : (20)

(a) Management of Stroke

(b) Management of Brachial Plexus injuries.

4. Write short notes on any SIX : (6 × 5 = 30)

(a) Neuroanatomy of spinal cord

(b) Neuro physiology of posture

(c) Neurophysiology of pain

(d) First aid in spinal injuries

(e) Syringomyelia

(f) Involuntary movements

(g) Foot drop gait

(h) Assessment of muscle strength.

[KC 918]

Sub. Code : 516

BACHELOR OF PHYSIOTHERAPY DEGREE
EXAMINATION.

Fifth Semester/Seventh Semester

(Revised Regulations/Transitory/Modified)

Paper I — NEUROLOGY FOR PHYSIOTHERAPIST
CLINICAL NEUROLOGY

Time : Three hours

Maximum : 100 marks

Answer Section A and B in separate answer books.

SECTION A

1. Write an essay on any ONE of the following : (20)
 - (a) Aetiology, clinical features and management of Bell's palsy.
 - (b) Aetiology, clinical features and management of Transverse myelitis.
2. Write short notes on any SIX (6 × 5 = 30)
 - (a) Superficial reflexes
 - (b) Third cranial nerve palsy
 - (c) Dysarthria

- (d) Huntington's chorea
- (e) Complex partial seizures
- (f) Basilar invagination
- (g) Upper motor Neuron lesions
- (h) Migraine.

SECTION B

3. Write an essay on any ONE of the following : (20)
 - (a) Aetiology, clinical features and management of extra medullary lesions of the spinal cord.
 - (b) Aetiology, clinical features and management of haemorrhagic stroke.
4. Write short notes on any SIX : (6 × 5 = 30)
 - (a) Pain sensation
 - (b) Status Epilepticus
 - (c) Athetosis
 - (d) Hydrocephalus
 - (e) Brachial Neuralgia
 - (f) Alzheimer's Disease
 - (g) Clinical features of increased intracranial tension
 - (h) Diabetic Neuropathy.