

[KD 918]

Sub. Code : 5161

**BACHELOR OF PHYSIOTHERAPY DEGREE
EXAMINATION.**

Fifth Semester

Revised/Transitory/Modified Regulations

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

Time : Three hours

Maximum : 100 marks

1. Answer any ONE of the following : (20)

(a) What is muscular dystrophy? Name the types of muscular dystrophies you know. Briefly describe the clinical features of Duchenne muscular dystrophy.

(b) Outline the clinical features and management of Parkinson Disease.

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

- (a) Blood supply of the brain.
- (b) Bells palsy.
- (c) Lateral medullary syndrome.
- (d) Release reflexes.
- (e) Claw hand.
- (f) Causalgia.
- (g) Saturday night palsy.
- (h) Apraxia.

3. Answer any ONE of the following : (20)

(a) Outline the clinical features and management of Guillain Barre Syndrome. How will you objectively assess the involvement of respiratory muscles in Guillain Barre Syndrome?

(b) Define (i) Tone (ii) Spasticity (iii) Rigidity. Outline the management of 'Spasticity' in a child with spastic paraparesis.

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

- (a) Leprous polyneuritis.
- (b) Dejerine – Klumpke paralysis.
- (c) Cranio-vertebral junction anomalies.
- (d) Spinal polio myelitis.
- (e) Clinical features of L₅ Root involvement in L₄-L₅ disc prolapse.
- (f) Brown – Sequard Syndrome.
- (g) Aphasia.
- (h) Brain Abscess.

[KE 918]

Sub. Code : 5161

BACHELOR OF PHYSIOTHERAPY DEGREE
EXAMINATION.

Fifth Semester/Seventh Semester

Revised/Transitory/Modified Regulations

Paper I — NEUROLOGY FOR PHYSIOTHERAPIST
(CLINICAL NEUROLOGY)

Time : Three hours

Maximum : 100 marks

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

(a) Describe the etiology, clinical findings, management, physiotherapy for Neural Hansen's disease.

(b) Describe the clinical features, management, rehabilitation of acute viral Transverse myelitis. Add a note to Bladder control and Rehabilitation of Bladder Dysfunctions in Transverse Myelitis.

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

(a) Internal Capsule

(b) Oculomotor nerve clinical examination

(c) Plantar response

(d) Knee and ankle clonus

(e) Muscle spindle

(f) Facial paralysis

(g) Contractures of Tendo Achilis

(h) Scoliosis (Neurogenic)

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

(a) Clinical features, aetiology and management of Tuberculous meningitis.

Or

(b) Aetiology, clinical features and management of cervical compressive myelopathy.

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

(a) Carpal Tunnel Syndrome

(b) Management of Dystonia

(c) Posture control

(d) Hemiballismus

(e) Pyramidal tract

(f) Muscle Fasciculations

(g) TIA of Carotid Territory

(h) Agnosia (Visual).

[KG 918]

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BACHELOR OF PHYSIOTHERAPY DEGREE
EXAMINATION.

Fifth/Seventh Semester

(Revised Regulations/Transitory/Modified Regulations)

Paper I — NEUROLOGY FOR PHYSIO THERAPIST
(CLINICAL NEUROLOGY)

Time : Three hours

Maximum : 100 marks

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

- (a) Aetiology, clinical features and management of Myasthenia Gravis
- (b) Aetiology, clinical features and management of Bell's Palsy.

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

- (a) Knee Jerk.
- (b) Myoclonus.
- (c) Alzheimer's Disease
- (d) Signs of Lower motor Neuron lesion
- (e) Cortical sensations
- (f) Management of Poliomyelitis
- (g) Radial Nerve injury
- (h) Anti epileptic drugs.

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

(a) Tuberculous infection of the central nervous system

(b) Motor neuron disease.

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

(a) Clinical features of intra medullary lesions of the spinal cord

(b) Circle of Willis

(c) Examination of the motor system

(d) Touch Sensations

(e) Crossed hemiplegia

(f) Hydrocephalus

(g) Huntington's chorea

(h) Fasciculations.

[KH 918]

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BACHELOR OF PHYSIOTHERAPY DEGREE
EXAMINATION.

Fifth/Seventh Semester

(Revised/Transitory/Modified Regulations)

Paper I — NEUROLOGY FOR PHYSIOTHERAPIST

(CLINICAL NEUROLOGY)

Time : Three hours

Maximum : 100 marks

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

(a) Define stroke. Outline the various subtypes of stroke and discuss the rehabilitative measures of a stroke patient.

(b) Describe the causes and the clinical features of intervertebral disc prolapse in the lumbosacral region and discuss its physiotherapy programme.

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

(a) Rigidity

(b) Lower motor neurone facial palsy

(c) Motor aphasia

(d) Closed spinabifida

(e) Obstructive hydrocephalus

(f) Hemiplegic cerebral palsy

(g) Syringomyelia

(h) Extra medullary spinal cord compression.

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

(a) Discuss the causes and clinical features of paraplegia and outline its rehabilitative measures.

(b) Define and classify muscular dystrophy. Discuss the clinical features, treatment and rehabilitative measures of Duchenne muscular dystrophy.

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

(a) Grading of muscle power

(b) Romberg test

(c) Monosynaptic reflex arch

(d) Hemiplegic gait

(e) Tuberculous meningitis

(f) Gliomas

(g) Diplopia

(h) Argyll Robertson pupils.

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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

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

(a) Describe the clinical features, management and rehabilitation of Gullain – Bare syndrome.

(b) Describe the etiology, clinical features and management of Parkinson's disease.

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

(a) Visual pathway

(b) Chorea

(c) Tremors

(d) Brown sequard syndrome

(e) Spinal polio

(f) Tuberculoma

(g) Anosmia

(h) Hypertonia.

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

(a) Describe Cerebral palsy – etiology, classification clinical features and the management.

(b) Describe cerebrospinal fluid circulation with a diagram. Add a note on Hydercephalus.

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

(a) Claw hand

(b) Glasgow coma scale

(c) Pyramidal tract

(d) Risk factors for stroke

(e) Petitmal seizures

(f) Blink reflex

(g) Coverings of the Brain

(h) Dermato myositis.

[KJ 918]

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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

M.C.Q. must be answered SEPARATELY on the answer
sheet provided as per the instructions on the first page
of MCQ booklet.

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay Questions : (Each carry 15 marks)

1. Discuss in detail the various types of hydrocephalus and how will you rehabilitate a child with obstructive hydrocephalus.

2. Discuss in detail the immediate and late complication of a patient with head injury.

II. Short Notes : (Each carry 5 marks)

- (a) Jendrassik's Manoeuvre
- (b) Kayser-Fleischer ring
- (c) Lathyrism
- (d) Limb-girdle muscular dystrophies
- (e) Infantile hemiplegia.
- (f) Hypertonia
- (g) Herpes zoster
- (h) Drug induced parkinsonism
- (i) Glioma
- (j) Claw hand.

[KJ 953]

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**BACHELOR OF OCCUPATIONAL THERAPY
DEGREE EXAMINATION.**

(Modified Regulations)

Fifth Semester

Paper III — CLINICAL NEUROLOGY

Time : One and a half hours Maximum : 50 marks

Theory : One hour and Theory : 40 marks

Twenty minutes

M.C.Q. : Ten minutes M.C.Q. : 10 marks

M.C.Q. must be answered **SEPARATELY** on the answer sheet provided as per the instructions on the first page of the M.C.Q. booklet.

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Write any TWO Essay questions : (2 × 10 = 20)

(1) Discuss the etiology, classification, clinical features and management of cerebral palsy.

(2) Discuss the etiology, pathology, clinical features, investigations and management of Guillain-Barre syndrome.

(3) Define stroke. Discuss in detail about the clinical classification, clinical features, investigation and management of stroke.

II. Write short notes on any FOUR : (4 × 5 = 20)

(1) Status epilepticus

(2) Syringomyelia

(3) Ataxia

(4) Dysarthria

(5) Tuberculous meningitis

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II. Write short notes on the following : (10 × 5 = 50)

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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 the questions.

Draw suitable diagrams wherever necessary.

I. Essay questions : (2 × 15 = 30)

(1) Gullian Barre's syndrome signs and symptoms, complications, investigations, diagnosis and management.

(2) Define stroke types, diagnosis, prevention, and management.

- (a) Dementia
- (b) Entrapment neuropathy
- (c) Babinskis' sign
- (d) Ataxia
- (e) Foot Drop
- (f) Torson dystonia
- (g) Circle of willis
- (h) Normal pressure hydrocephalus
- (i) Spinabifida
- (j) Kernig singn.