

August 2011

[KZ 6159]

Sub. Code : 6159

BACHELOR OF OCCUPATIONAL THERAPY EXAMINATION

SECOND YEAR

Paper V– CLINICAL NEUROLOGY

Q.P. Code : 786159

Time : Three hours

Maximum : 100 marks

ANSWER ALL QUESTIONS

I. LONG ESSAYS

(2X20=40)

1. Define STROKE. Discuss in detail about the Etiology, clinical features Investigation and Management of STROKE.
2. Define SPINAL SHOCK. Discuss in detail about the clinical features, Assessment and management of C6 Quadriplegia.

II. SHORT NOTES

(8X5=40)

1. Internal Capsule
2. Clinical features of Tuberculous Meningitis
3. Trigeminal Neuralgia
4. Leprous Neuritis
5. Myasthenia Gravis
6. Gait Abnormality in Parkinsonism
7. Brain Tumor.
8. Spina bifida.

III. SHORT ANSWERS

(10X2=20)

1. Meralgia Parasthetica
2. Muscle Spindle
3. Saddle Anaesthesia
4. Gower's Sign
5. Saturday Night Palsy
6. Dopamine
7. L5 Radiculopathy
8. Visual Agnosia
9. CSF Findings in Guillain – Barre Syndrome
10. Dementia.

February 2012

[LA 6159]

Sub. Code : 6159

BACHELOR OF OCCUPATIONAL THERAPY EXAMINATION

SECOND YEAR

Paper V– CLINICAL NEUROLOGY

Q.P. Code : 786159

Time : Three hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on:

(2X20=40)

1. Describe the clinical features, Investigation, Treatment and Occupational therapy measure of Guillain –Barre Syndrome.
2. Enumerate the difference between SPASTICITY and RIGIDITY. Discuss about the clinical features, diagnosis and management of Parkinson disease.

II. Write notes on:

(8X5=40)

1. Visual Pathway
2. Tests for Cerebellar Function
3. Meningomyelocele
4. Pathophysiology of STROKE
5. Central Cord Syndrome
6. Syringomyelia
7. Duchenne Muscular Dystrophy.
8. Carpal Tunnel Syndrome.

III. Short Answers:

(10X2=20)

1. Amyotrophic Lateral Sclerosis
2. Atonic Bladder
3. Name the POLIO Viruses
4. C6 Myotome
5. Apraxia
6. Ulnar Claw Hand
7. Hemineglect
8. Tonic Neck Reflex
9. High Stepping Gait
10. Neuro Transmitter.

[LB 6159]

AUGUST 2012
SECOND YEAR BOT EXAM
Paper – V CLINICAL NEUROLOGY
Q.P. Code : 786159

Sub. Code : 6159

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. Write briefly about Parkinsonian syndromes and its management. | 19 | 33 | 20 |
| 2. Write about neurological assessment and classification of spinal cord injury and the management of a patient with paraplegia at T12. | 19 | 33 | 20 |

II. Write Notes on:

- | | | | |
|------------------------------------|---|---|---|
| 1. Thoracic outlet syndrome. | 3 | 8 | 5 |
| 2. Visual pathway. | 3 | 8 | 5 |
| 3. Foot drop. | 3 | 8 | 5 |
| 4. Spina bifida. | 3 | 8 | 5 |
| 5. Cervical spondyltic myelopathy. | 3 | 8 | 5 |
| 6. Hydrocephalus. | 3 | 8 | 5 |
| 7. Transverse myelitis. | 3 | 8 | 5 |
| 8. Gait abnormalities. | 3 | 8 | 5 |

III. Short Answers :

- | | | | |
|----------------------------|---|---|---|
| 1. Dopamine. | 1 | 5 | 2 |
| 2. Spinal reflex. | 1 | 5 | 2 |
| 3. Bell's palsy. | 1 | 5 | 2 |
| 4. Meralgia paraesthetica. | 1 | 5 | 2 |
| 5. Internal capsule. | 1 | 5 | 2 |
| 6. Neuromuscular junction. | 1 | 5 | 2 |
| 7. Hemi-neglect. | 1 | 5 | 2 |
| 8. Choroid plexus. | 1 | 5 | 2 |
| 9. Rigidity. | 1 | 5 | 2 |
| 10. Visual agnosia. | 1 | 5 | 2 |

[LC 6159]

FEBRUARY 2013
SECOND YEAR BOT EXAM
Paper – V CLINICAL NEUROLOGY
Q.P. Code : 786159

Sub. Code : 6159

Time : Three hours
(180 Min)

Maximum : 100 marks

I. Elaborate on:

(2X20=40)

1. Define MOTOR UNIT. Discuss in detail about the clinical features, diagnosis and Management of Motor Neuron Disease.
2. Classify MYOPATHY. Describe the clinical features, diagnosis and management of Duchenne Muscular Dystrophy.

II. Write Notes on:

(8X5=40)

1. Bell's Palsy.
2. Transverse Myelitis.
3. Theories of Pain.
4. Athetoid Cerebral Palsy.
5. Status epilepticus.
6. Total Claw Hand.
7. Automatic Bladder.
8. Post Polio Syndrome.

III. Short Answers :

(10X2=20)

1. Brain Stem.
2. Descending Tract.
3. Grades of Spasticity.
4. Festinant Gait.
5. Dystrophin.
6. Broca's Aphasia.
7. Stereognosis.
8. Botulinum Toxin.
9. Friedrich's Ataxia.
10. Pseudo Bulbar Palsy.

[LD 6159]

AUGUST 2013
SECOND YEAR BOT EXAM
Paper V – CLINICAL NEUROLOGY
Q.P. Code: 786159

Sub. Code : 6159

Time: Three hours

Maximum : 100 marks

- I. Elaborate on:** (2x20 = 40)
1. Clinical features, causes, complications, and treatment of right middle cerebral artery occlusion.
 2. Pathophysiology, clinical presentation, and treatment of Parkinson's disease.
- II. Write Notes on:** (8x5 = 40)
1. Ataxic cerebral palsy
 2. Syringomyelia
 3. Foot drop
 4. Duchenne's muscular dystrophy
 5. Neurofibroma
 6. Conus medullaris
 7. Brachial plexus injuries
 8. Vertigo
- III. Short Answers on:** (10x2 = 20)
1. Acetylcholine receptor
 2. Apraxia
 3. Immediate memory
 4. Fifth cranial nerve
 5. Plantar reflex
 6. Status epilepticus
 7. Titubation
 8. Hemianopia
 9. Vibration sense
 10. Pia mater

[LE 6159]

FEBRUARY 2014
SECOND YEAR BOT EXAM
Paper V – CLINICAL NEUROLOGY
Q.P. Code: 786159

Sub. Code : 6159

Time: Three hours

Maximum : 100 marks

I. Elaborate on: (2x20 = 40)

1. Clinical features, causes, complications, and treatment of basilar artery occlusion.
2. Pathophysiology, clinical presentation, complications and treatment of myasthenia gravis.

II. Write Notes on: (8x5 = 40)

1. Spina bifida occulta
2. Complications of pyogenic meningitis
3. Posterior columns
4. Anterior horn cell
5. Meningioma
6. Cervical disc disease
7. Arnold Chiari malformation
8. Median nerve entrapment

III. Short Answers on: (10x2 = 20)

1. Cauda equina
2. Posterior aphasia
3. Recent memory
4. Fourth cranial nerve
5. Tone
6. Complex partial seizure
7. Sciatic nerve injury
8. Circumduction gait
9. Deep tendon jerk
10. Dura mater

[LF 6159]

AUGUST 2014

Sub. Code : 6159

**SECOND YEAR BOT EXAM
PAPER V – CLINICAL NEUROLOGY**

Q.P. Code: 786159

Time: Three Hours

Maximum: 100 marks

I. Elaborate on: **(2x20=40)**

1. Clinical features, causes, complications, and treatment of left internal carotid artery occlusion.
2. Pathophysiology, clinical presentation, complications and treatment of Guillain Barre syndrome.

II. Write Notes on: **(8x5=40)**

1. Hydrocephalus
2. Complications of tubercular meningitis
3. Joint position sense
4. Amyotrophic lateral sclerosis
5. Glioma
6. Lumbar disc disease
7. Atlantoaxial dislocation
8. Cross section of spinal cord

III. Short Answers on: **(10x2=20)**

1. Neuromuscular junction
2. Anterior aphasia
3. Remote memory
4. Sixth cranial nerve
5. Differences between rigidity and spasticity
6. Absence seizure
7. Neuropraxia
8. Gower's sign
9. Dysdiadochokinesia
10. Arachnoid mater

[LG 6159]

FEBRUARY 2015

Sub. Code: 6159

**SECOND YEAR BOT EXAMINATION
PAPER V – CLINICAL NEUROLOGY**

Q.P. Code: 786159

Time: Three hours

Maximum: 100 marks

I. Elaborate on:

(2 x 20 = 40)

1. Clinical features, diagnosis, pathophysiology and treatment of Parkinson's Disease, specify the recent advances in the treatment.
2. Causes, clinical features, investigations and treatment of Acute transverse myelitis.

II. Write notes on:

(8 x 5 = 40)

1. Ulnar neuropathy
2. Neurogenic Bladder
3. Acute Vestibulitis
4. Nodes of Ranvier
5. Dystonia
6. Neuro fibroma
7. Anterior spinal Artery
8. Transient Global Amnesia

III. Short answers on:

(10 x 2 = 20)

1. Seventh cranial nerve
2. Fourth ventricle
3. Pupillary reflex
4. Classification of nerve injuries
5. Dysarthria
6. Rigidity
7. Frontal lobe epilepsy
8. Ataxic gait
9. Spinal motor neuron
10. Taste

[LH 6159]

AUGUST 2015

Sub. Code: 6159

**B.O.T. DEGREE EXAMINATION
SECOND YEAR
PAPER V – CLINICAL NEUROLOGY**

Q.P. Code: 786159

Time : Three Hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 20 = 40)

1. Clinical features, rising incidence, pathophysiology, investigation and treatment of multiple sclerosis in Indian subcontinent.
2. Cause, clinical features, complications & management of Sub Archnoid Hemorrhage.

II. Write notes on:

(8 x 5 = 40)

1. Complications of Bacterial Meningitis.
2. Cerebello pontine angle tumors.
3. Saturday night palsy.
4. Non Epileptic Attack Disorders (NEAD).
5. Circle of Willis.
6. Symptoms and signs of cauda equine lesions.
7. Cervical spondylotic myelopathy.
8. Difference between upper motor neuron and lower motor neuron lesions.

III. Short Answers on:

(10 x 2 = 20)

1. Olfaction.
2. Dyslexia.
3. Vagal nerve.
4. Tremor.
5. Automatism.
6. Myoclonus.
7. Motor cortex.
8. Rombergism.
9. "Papez Circuit".
10. Cremastric reflex.

[LI 6159]

FEBRUARY 2016

Sub. Code: 6159

**SECOND YEAR BOT EXAMINATION
PAPER V – CLINICAL NEUROLOGY**

Q.P. Code: 786159

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Clinical presentations, complications and management of cervical spine injury.
2. Definition, classification and complications of Epilepsy.

II. Write notes on:

(8 x 5 = 40)

1. Trigeminal neuralgia.
2. Pott's spine.
3. Radial nerve.
4. Poliomyelitis.
5. Quadriplegia.
6. Myasthenia Gravis.
7. Pyramidal Tract.
8. Vertebral Artery.

III. Short answers on:

(10 x 2 = 20)

1. Sixth Cranial nerve.
2. Spasticity.
3. Horner's Syndrome.
4. Posterior column of spinal cord.
5. Lumbago.
6. Charcot's joint.
7. Wasting of muscles.
8. Slurred speech.
9. Accommodation Reflex.
10. Paraesthesia.

[LJ 6159]

AUGUST 2016

Sub. Code: 6159

**SECOND YEAR BOT EXAMINATION
PAPER V – CLINICAL NEUROLOGY**

Q.P. Code: 786159

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Definition, clinical features and management of Cerebral Palsy.
2. Symptoms, signs, progression and management of Guillain Barre Syndrome.

II. Write notes on:

(8 x 5 = 40)

1. Carpel tunnel syndrome.
2. Erb's palsy.
3. Lateral popliteal nerve.
4. Myopathy.
5. Functions of brain stem.
6. Peripheral neuropathy.
7. Extra pyramidal system.
8. Cervical Myeloradiculopathy.

III. Short answers on:

(10 x 2 = 20)

1. Fourth Cranial Nerve.
2. Dysphonia.
3. Costochondritis.
4. Strabismus.
5. Internal capsule.
6. Transient Ischaemic Attack.
7. Vertigo.
8. Nerve Deafness.
9. Hyperaesthesia.
10. Fasciculation of muscles.

[LK 6159]

FEBRUARY 2017

Sub. Code: 6159

**BOT DEGREE EXAMINATION
SECOND YEAR
PAPER V – CLINICAL NEUROLOGY
Q.P. Code: 786159**

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: (2 x 20 = 40)

1. The clinical features and management of Cervical Spondylitis.
2. The clinical features and management of Hydrocephalus.

II. Write notes on: (8 x 5 = 40)

1. Blood supply of brain stem.
2. Neurological control of urinary bladder.
3. Pyramidal tract.
4. Functions of cerebellum.
5. Dementia.
6. Diabetic Neuropathy.
7. Rehabilitation of hemiplegic patient.
8. Clinical features in head injury.

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

1. Bell's palsy.
2. Guillain Barre's syndrome.
3. Tuberculoma.
4. Trigeminal neuralgia.
5. Waddling gait.
6. Clinical features in peripheral neuropathy.
7. Higher cortical functions.
8. Erb's palsy.
9. Optic nerve.
10. Management of myopathies.
