

[KD 921]

Sub. Code : 5176

BACHELOR OF PHYSIOTHERAPY DEGREE
EXAMINATION.

Sixth Semester/Eighth Semester

(Revised/Transitory/Modified Regulations)

P.T. NEUROLOGY

Time : Three hours Maximum : 100 marks

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

(a) Uses of splints and braces in upper motor and lower motor lesions.

(b) Give an outline of physiotherapy techniques used for a $2\frac{1}{2}$ year old spastic diplegic cerebral palsy child.

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

(a) Management of bladder incontinence.

(b) Role of suspension and hydrotherapy in neurological conditions.

(c) Management of shoulder pain and shoulder hand syndrome.

(d) Prevention and treatment for pressure sores.

(e) Mat exercises.

(f) Muscle spindles.

(g) Assessment of sensory system.

(h) Wheelchair transfer in paraplegics.

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

(a) Describe assessment and treatment plan for a patient of 60 year old parkinsonism.

(b) Describe your treatment plan for a 12 year old duechine muscular dystrophy patient.

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

(a) Respiratory care in high level paraplegics and quadriplegics.

(b) Assessment of limb length discrepancy and spinal deformities.

(c) Effects of electrical stimulation in PNL.

(d) Identify common associated problems in cerebral palsy.

(e) Bobath techniques in cerebral palsy.

(f) Functions of spinal cord.

(g) Assessment of functional activity.

(h) Spinal orthosis.

[KE 921]

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DEGREE EXAMINATION.

Sixth/Eighth Semester

(Revised/Transitory/Modified Regulations)

P.T. NEUROLOGY

(PHYSIOTHERAPY FOR NEUROLOGY
CONDITIONS)

Time : Three hours

Maximum : 100 marks

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

(a) What do you mean by Peripheral nerve lesions? Explain about the types and causes. Write in detail about the P.T. management of Radial nerve injury (Rt) at the level of spiral groove due to injection.

(b) Discuss the causes for Cerebral Palsy. Describe the P.T. Management of 2 year old diplegic cerebral palsy child.

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

(a) Co-ordination exercises

(b) How will you assess motor function?

(c) Positioning of Hemiplegic in acute phase

(d) Chest physiotherapy in bedridden Myopathy patient

(e) How will you do sensory re-education?

(f) Use of Splints

(g) Klumpke's paralysis.

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

(a) Explain about the P.T. management for a patient who underwent Laminectomy at the level of L₄L₅ and shows post operative weakness of muscles. Discuss upto home programme.

(b) A 30 year old female typist, is suffering from radiating pain from neck to finger tip for 3 months. How will you assess the patient? Discuss the P.T. Management.

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

(a) Treatment for total claw hand

(b) P.T. management for tendon transfer

(c) Home programme for Parkinsonism

(d) Hydrotherapy in neurology

(e) Nerve conduction tests

(f) Difference between LMN and UMN

(g) Transfers with wheel chair.

March-2002

[KG 921]

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EXAMINATION.

Sixth/Eighth Semester

(Revised/Transitory/Modified Regulations)

P.T.NEUROLOGY

(PHYSIOTHERAPY FOR NEUROLOGY
CONDITIONS)

Time : Three hours

Maximum : 100 marks

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

(a) Classify Muscular Dystrophies. Describe management of a 3 yr old boy suffering from Duchennes muscular dystrophy.

(b) How do you assess a patient with median nerve palsy at the level of cubital fossa? Describe your treatment plan for such a patient?

2. Write short notes on any SIX of the following :

(6 × 5 = 30)

(a) Describe Roods approach to alter Muscle tone.

(b) How will you re-educate festinating gait in a Parkinson's patient?

(c) Define co-ordination, give four principles of coordination training.

(d) Why does a T4 vertebral level lesion cause vasomotor dysfunction? How can you re-educate the patient with orthostatic hypotension?

(e) Advantages and disadvantages of Strength Duration curve.

(f) How will you treat hypertonia?

(g) Describe the clinical features of syringomyelia.

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

(a) Describe the assessment and management of a complete spinal cord injury at the level of T3 vertebral segment. The patient is presently in the spastic phase.

(b) Describe the assessment and management of a patient with ® MCA infarct in the acute stage.

4. Write short notes on any SIX of the following :

(6 × 5 = 30)

(a) How will treat a patient with sensory ataxia?

(b) Describe treatment of a diabetic foot.

(c) Describe the ill effects of alcoholism on the Nervous System.

(d) Describe the principles of PNF approach the rehabilitation of a neurologically affected patient

(e) How will you manage a child poliomyelitis in the acute stage?

(f) Describe management of a patient with trigeminal neuralgia.

(g) Define biofeedback and explain its mechanism of action.

September-2002

[KH 921]

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P.T. NEUROLOGY

(PHYSIOTHERAPY FOR NEUROLOGY
CONDITIONS)

Time : Three hours

Maximum : 100 marks

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

(a) Discuss the physiotherapy management for a young head injury patient.

(b) Physiotherapy management of a patient with lateral popliteal nerve injury.

2. Write short notes on any SIX

(6 × 5 = 30)

- (a) Neurogenic bladder
- (b) Tabes dorsalis
- (c) Tinel's sign
- (d) Milwaukee brace
- (e) Genetic counselling
- (f) Tremor
- (g) Child motor development
- (h) Wheel chair activities.

(d) Sensory re education

- (e) Hansen's hand
- (f) High stepping gait
- (g) Crutch walking
- (h) Rigidity.

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

(20)

(a) Discuss physiotherapy programme for a patient with T6 level spinal cord lesion.

(b) Describe the muscular dystrophy, its types and exercise programme in the management.

4. Write short notes on any SIX :

(6 × 5 = 30)

- (a) Dysmetria
- (b) Mat exercises
- (c) Myasthenia gravis

April-2003
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P.T. NEUROLOGY
(PHYSIOTHERAPY FOR NEUROLOGY
CONDITIONS)

Time : Three hours

Maximum : 100 marks

SECTION A

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

(a) Discuss the causes for Hemiplegia. Explain the P.T. Management for (R^t) sided Hemiplegia from acute phase to chronic phase.

(b) What do you mean by peripheral nerve lesions. Explain about the types and causes. Write in detail about the PT management of Radial Nerve Injury (R^t) at the level of spiral groove due to injection.

2. Answer any SIX of the following : (6 × 5 = 30)

(a) Quadriceps weakness

(b) Treatment for Brachialgia

(c) Traction

April-2003

(c) Crutch palsy

(d) Management of chronic pain

(d) Positioning of pt in spinal

(e) Chest physiotherapy in fraction C₄

(e) Synergy

(f) Uses of splints

(f) Shoulder hand syndrome

(g) Wallarien degeneration

(g) Care of Anesthetic foot

(h) Pressure sores.

(h) Assessment of pain and te

SECTION B

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

(a) A 30 yr old female house wife is suffering from radiating pain from neck to finger tip for 3 months. How will you assess the patient? Discuss the PT management with home programme.

(b) Explain the causes for Erb's palsy. How will you manage, the Erb's palsy at Acute, subacute and chronic stages.

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

(a) Hydrotherapy in Neurology

(b) Ambulatory aids

October-2003

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P.T. NEUROLOGY

(PHYSIOTHERAPY FOR NEUROLOGY
CONDITIONS)

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 M.C.Q. booklet.

Answer ALL questions.

Draw suitable diagram wherever necessary.

I. Essay questions : (2 × 15 = 30)

(1) Detail the physiotherapeutic management of a
40 year old male patient with Cerebellar lesion.

(2) Write the complications and physiotherapy
management of a 25 year old male with spinal cord
injury at T₁₀ level.

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

- (a) Assessment and training of balance
- (b) Use of stretch to facilitate movement
- (c) Electro diagnostic tests in physiotherapy
- (d) Gait correction in Parkinson's disease
- (e) Shoulder hand syndrome in hemiplegics
- (f) Sensory re-education in paraesthesia
- (g) Carpal Tunnel syndrome
- (h) Management of sciatica
- (i) Erb's palsy
- (j) Ulnar claw hand.

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P.T. NEUROLOGY

**(PHYSIOTHERAPY FOR NEUROLOGY
CONDITIONS)**

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 diagram wherever necessary.

Essay questions :

(2 × 15 = 30)

(1) Write down the causes for cerebral palsy and discuss the treatment plan for a cerebral palsy child?

(2) Describe assesment and treatment plan for a patient of 30 years with brachial plexus injury.

iI. Short notes :

(10 × 5 = 50)

- (a) Radial Nerve Injury**
- (b) Bobath techniques**
- (c) Incontinence**
- (d) Motor learning programme**
- (e) Nerve conduction tests**
- (f) Sensory Re-education**
- (g) Hypotonia**
- (h) Motor Neuron disease**
- (i) Duchenne muscular dystrophy**
- (j) Ambulatory aids in UMN and LMN lesions.**