

February 2009

[KU 990]

Sub. Code: 5185

BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION

Fourth Year

Non-Semester Regulations and Eighth Semester

(Modified / New Modified Regulations)

PHYSIOTHERAPY FOR NEUROLOGY CONDITIONS

Q.P. Code : 745185

Time : Three hours

Maximum : 100 marks

Answer All questions

Draw suitable diagrams wherever necessary

I. Essays:

(2 x 15 = 30)

1. Describe in detail about the sub acute phase management of T10 spinal cord injury?
2. (a) What is synergy pattern?
(b) Discuss in detail about the rehabilitation management of patient with middle cerebral artery syndrome.

II. Short Notes :

(10 x 5 = 50)

1. Athetosis.
2. Combined cortical sensations.
3. Uses of splints in spastic upper motor neuron lesions.
4. Sensory re education.
5. List five coordination tests.
6. Postural sway.
7. Criteria for tendon transfer.
8. Reflex sympathetic dystrophy.
9. Types of muscular dystrophy.
10. Apraxia.

III. Short Answer:

(10 x 2 = 20)

1. Locked – Insyndrome.
2. Korotkoff's sounds.
3. Closed – loop system.
4. H-Reflex.
5. Deep brain stimulation.
6. Orthostatic Hypotension.
7. Teardrop fracture.
8. Acute pain.
9. Moro Reflex.
10. Disassociation.

August 2009

[KV 990]

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Time : Three hours

Maximum : 100 marks

Answer All questions

Draw suitable diagrams wherever necessary

I. Essays: (2 x 15 = 30)

1. Discuss in detail about the physiotherapy management of a patient with D-12 vertebral injury.
2. Define pain and its pathway. Briefly discuss about the theories supporting pain and review about management of chronic pain in neurological conditions.

II. Short Notes : (10 x 5 = 50)

1. Cerebellar lesions.
2. Chorea.
3. Positioning.
4. Autonomic dysreflexia.
5. Pseudo hypertrophy.
6. Motor learning technique.
7. Balance training in parkinson's disease.
8. Progressive resisted exercises.
9. Assessment of coordination.
10. Neurological basis of spasticity.

III. Short Answer: (10 x 2 = 20)

1. Name different types of splint.
2. Symmetric tonic neck reflex.
3. Name two vestibular facilitation techniques and its uses.
4. Athetosis.
5. Stages of motor learning.
6. Tonic lumbar reflex.
7. Sacral sparing.
8. Extroceptors.
9. Body righting acting on the body.
10. Dermatome.

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Time : Three hours

Maximum : 100 marks

Answer All questions

Draw suitable diagrams wherever necessary

I. Essays: (2 x 15 = 30)

1. Discuss in detail the physiotherapy management of a patient with ulnar nerve injury at the level of medial epicondyle.
2. Discuss in detail about the assessment and management of a patient with Parkinsonism.

II. Short Notes : (10 x 5 = 50)

1. Sensory reeducation.
2. Plantar response.
3. Facilitation Techniques.
4. Carpal Tunnel syndrome.
5. Bell's palsy.
6. Common ambulatory aids used in paraplegia.
7. Foot deformities in poliomyelitis.
8. Pain gate theory.
9. Pressure bandaging.
10. Physiotherapy treatment in diabetic foot ulcer.

III. Short Answer: (10 x 2 = 20)

1. Name four exercises that should be adopted during the recovery of hemiplegia patient.
2. What is the exercise to be adopted in the ambulatory stage of Duchenne's muscular dystrophy?
3. Foot drop splint.
4. Reversible Ischemic neurologic deficit.
5. Autogenic Inhibition.
6. Souque's phenomenon.
7. Functional electrical stimulation.
8. D2 Extension pattern for upper limb.
9. Muscle spindle.
10. Cervical rigidity.

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Q.P. Code : 745185

Time : Three hours

Maximum : 100 marks

ANSWER ALL QUESTIONS

Draw suitable diagrams wherever necessary

I. Essays:

(2X15=30)

1. Discuss in detail about the Clinical features and Physiotherapy management of a patient with Pontine stroke. (Right Side).
2. Describe in detail the assessment for Balance Dysfunction. Explain the Techniques for reeducation of Balance and Equilibrium.

II. Short Notes :

(10X5=50)

1. Soft tissue tightness and its management.
2. Tests for Coordination.
3. Motor relearning program.
4. Gait Training for Paraplegic patients.
5. Physiotherapy management for Gullian Barrie Syndrome.
6. Cerebral Ataxia.
7. Principles of Skin Care.
8. Management of Shoulder pain and Shoulder Hand Syndrome in stroke.
9. Home exercise program for patient with Parkinson's disease.
10. Assessment of developmental milestones from birth to 5 years.

III. Short Answers:

(10X2=20)

1. Glossopharyngeal Breathing.
2. Cock up Splint.
3. Tonic Lumbar Reflex.
4. Stages of Motor Learning.
5. List of the purely sensory cranial nerves.
6. Heterotropic Ossification.
7. Muscular dystrophy stages.
8. Frankel's Classification.
9. Types of Rigidity.
10. Significance of Frontal micturition Centre.
