FEBRUARY 2008

[KS 976 (Y)]

Sub. Code: 6124

B.O.T. DEGREE EXAMINATION.

Third Year

Non-Semester Regulations

Paper IV — O.T. IN ORTHOPAEDICS AND NEUROLOGY

Q.P. Code: 786124

Time: Three hours Maximum: 100 marks

Theory: Two hours and Theory: 80 marks

forty minutes

M.C.Q.: Twenty minutes M.C.Q.: 20 marks

Answer ALL questions.

Draw suitable diagram wherever necessary.

I. Essay:

 $(2\times15=30)$

- (1) A 70 year old individual is suffering from Parkinson's disease. Describe the clinical features and the role of occupational therapy in improving postural control. (15)
- (2) A 17 year old male had a above-elbow amputation. Explain the role of occupational therapy in the pre-prosthetic training and the prosthetic prescription. (15)

II. Write short notes on:

 $(10 \times 5 = 50)$

- (1) Coma
- (2) Clinical features of multiple sclerosis
- (3) Carpal tunnel syndrome
- (4) Volkman's ischaemic contracture
- (5) Indications, contra indications and precautions of Total Hip Replacement (THR)
 - (6) Autonomic dysreflexia
 - (7) NDT facilitation techniques
 - (8) Shoulder-hand syndrome
 - (9) Erb's palsy
 - (10) Deformities in leprosy.

AUGUST 2008

[KT 976 (Y)]

Sub. Code: 6124

B.O.T. DEGREE EXAMINATION.

Third Year

Non-Semester Regulations

Paper IV – O.T. IN ORTHOPAEDICS AND NEUROLOGY

Q.P.Code: 786124

Time: Three hours

Maximum: 100 marks

Answer ALL questions.

Draw suitable diagram wherever necessary.

I. Essay:

 $(2 \times 15 = 30)$

- 1. A nineteen year old boy has cerebellar ataxia following brain injury. Describe the clinical features, occupational therapy evaluation and intervention for this patient.
- 2. List and explain the mechanical principles of splinting.
- II. Write Short notes on:

 $(10 \times 5 = 50)$

- 1. Ulnar nerve palsy.
- 2. Shoulder hand syndrome.

AUGUST 2008

- 3. Body mechanics for low back pain.
- 4. Colles fracture.
- 5. In hand manipulation skills : Describe with examples.
- 6. Duchene's muscular dystrophy.
- 7. Constraint induced therapy or forced use.
- 8. Upper limb diagonal patterns in proprioceptiue neuromuscular facilitation.
- 9. Perceptual functions.
- 10. Tests for in coordination.
- III. Write short answers:

 $(10 \times 2 = 20)$

- 1. Which nerve is affected when a patient has wrist drop and cannot extend his fingers?
- 2. Name any two cortical sensations.
- 3. List two complications of supra condylar fractures.
- 4. Name the two systems of sensations that are emphasized in the Affolter's approach.
- 5. What is divided attention? Give an example.

- 6. Which condition is characterized by Remissions and Relapses?
- 7. In which condition is Gower's sign seen?
- 8. List two uses of biofeed back in therapy.
- 9. List any two secondary complications of spinal cord injury.
- 10. Which lobe in the brain is responsible for executive functions?

[KW 976 (Y)] Sub. Code: 6124

BACHELOR OF OCCUPATIONAL THERAPY DEGREE EXAMINATION

Third Year

Non-Semester Regulations

Paper IV – O.T. IN ORTHOPAEDICS AND NEUROLOGY

Q.P. Code: 786124

Time: Three hours Maximum: 100 marks

Answer All questions.

Draw suitable diagrams wherever necessary

I. Essays: $(2 \times 15 = 30)$

- 1. A forty year old male met with a road traffic accident and had brain injury. Describe occupational therapy evaluation and intervention for this patient.
- 2. Describe the clinical features seen in Duchene's Muscular dystrophy. Describe the role of occupational therapy during the different stages.

II. Short Notes on:

 $(10 \times 5 = 50)$

- 1. Cerebellar ataxia.
- 2. Volkman's ischaemic contracture.
- 3. Any five facilitatory techniques in Rood's approach.
- 4. Edema Management.
- 5. Shoulder hand syndrome.
- 6. Fine motor skills.
- 7. Principles of neuro development therapy.
- 8. Nerves affected and deformities in leprosy.
- 9. Affolter approach.
- 10. Motor neuron disease.

III. Short Answers:

 $(10 \times 2 = 20)$

- 1. What is mental practice? In which approach it is used.
- 2. Tenodesis grasp.
- 3. Ideational apraxia.
- 4. Name any four abnormal gaits.
- 5. What is wallerian degeneration?
- 6. Name two tests used to assess tactile perception.
- 7. List two complications of Gullian Barre Syndrome.
- 8. Types of activities of daily living (ADL).
- 9. What is souques phenomenon?
- 10. Name any four pain management techniques.

[KX 976 (Y)] Sub. Code: 6124

BACHELOR OF OCCUPATIONAL THERAPY DEGREE EXAMINATION

Third Year Non - Semester Regulations Paper IV – O.T. IN ORTHOPAEDICS AND NEUROLOGY

Q.P. Code: 786124

Time: Three hours Maximum: 100 marks

ANSWER ALL QUESTIONS

Draw suitable diagrams wherever necessary

I. Essays: (2X15=30)

- 1. A 30 years old male had a road accident resulting in T_6 complete Paraplegia. Explain the complications and the role of OT.
- 2. Describe Occupational Therapy Management for 35 years old male with upper extremity amputation.

II. Short Notes: (10X5=50)

- 1. Occupational Therapy Management of Fracture.
- 2. Occupation Therapy Management for Total Knee Replacement.
- 3. Rood's Theories.
- 4. Functional Assessment for activities of Daily living.
- 5. Spinal Orthoses.
- 6. Deformities in Leprosy.
- 7. Low back pain.
- 8. Unilateral neglect.
- 9. Cerebral Ataxia.
- 10. Stimulation for a patient in Coma.

III. Short Answers: (10X2=20)

- 1. In which condition is waiter's tip seen.
- 2. Any two complications of Colle's fracture.
- 3. What is Broca's apasia?
- 4. Handling Techniques.
- 5. Intrinsic stretch.
- 6. Types of Memory.
- 7. Types of Terminal devices.
- 8. Name two upper extremity splints.
- 9. List two complications of Gullian Barrie syndrome.
- 10. Name two type of Rigidity.

[LC 6163]

FEBRUARY 2013 THIRD YEAR BOT EXAM

Paper – IV OT IN ORTHOPAEDICS AND NEUROLOGY

Q.P. Code: 786163

Time: Three Hours

(180 Min)

(2X20=40)

Maximum: 100 marks

Sub. Code: 6163

I. Elaborate on:

1. Complete occupational therapy evaluation treatment procedures for fracture

Complications and Nerve injury.

2. Role of occupational therapy in complication of spinal cord injury.

II. Write Notes on:

(8X5=40)

- 1. Mobile arm support.
- 2. Occupational therapy management for middle cerebral artery syndromes.
- 3. Body Mechanism techniques in low back pain.
- 4. Management of the sensory deficit.
- 5. Therapeutic exercises.
- 6. Adaptations in ADL.
- 7. Neuro developmental approach.
- 8. Box and block test.

III. Short Answers on:

(10X2=20)

- 1. Tenodesis splint.
- 2. Functional abilities.
- 3. Stage of shoulder hand syndrome.
- 4. Partial lobe functions.
- 5. Define myasthenia grains.
- 6. Flexor synergy of upper extremity.
- 7. Precautions of T.H.R.
- 8. Activities to improve Co-ordination.
- 9. Sensory recovery gradings.
- 10. Clinical features in diabetic neuropathy.

[LD 6163]

AUGUST 2013 THIRD YEAR BOT EXAM

Paper IV – OT IN ORTHOPAEDICS AND NEUROLOGY

Q.P. Code: 786163

Time: Three hours Maximum: 100 marks

I. Elaborate on:

(2x20 = 40)

Sub. Code: 6163

- 1. Discuss the evaluation and management of a 70 year old male client with Parkinsonism.
- 2. Describe Total hip replacement and post-operative evaluation and functional management

II. Write Notes on:

(8x5 = 40)

- 1. Task oriented approach
- 2. Colles fracture
- 3. O.T. role in low back pain
- 4. Glasgow Coma Scale
- 5. Guillen Barre Syndrome
- 6. ASIA Impairement classification scale
- 7. Describe how to assess muscle tone
- 8. Mention the various primitive Reflex levels

III. Short Answers on:

(10x2 = 20)

- 1. Functional R.O.M
- 2. Clonus
- 3. Four Types of Rigidity
- 4. Define Endurance
- 5. Two Facilitating and Two inhibitory techniques
- 6. Transient ischemic Attack
- 7. Claw hand
- 8. Lateral Prehension
- 9. Autonomic Dysreflexia
- 10. I-ADL
