

**NOVEMBER - 1993**

[PR 653]

**Bachelor of Occupational Therapy  
Degree Examination**

**Fifth Semester - New Regulation**

**OCCUPATIONAL THERAPY IN NEUROLOGY  
AND ORTHOPAEDICS**

**Time: 3 hrs.**

**Max. Marks 100**

**SECTION-A marks 50**

**OCCUPATIONAL THERAPY IN NEUROLOGY**

**Answer any TWO Questions**

**All questions carry equal marks**

1. Explain Occupational Therapy for 35 year old hotel owner with Cerebral Tumor in the region of Internal capsule.
2. What is Motor Neuron Disease?  
How will you treat 30 year old tailor with early features of Motor Neuron Disease.
3. Write notes on :
  - i) Occupational Therapy for Cerebellar Ataxia
  - ii) Splinting following Radial nerve injury

iii) Neuro developmental technique

iv) Therapeutic activities for Spastic hand.

**SECTION—B marks 50**

**OCCUPATIONAL THERAPY IN ORTHOPAEDICS**

1. Describe Occupational Therapy for 50 year old housewife with Fracture Neck - Humerus - (Right) referred to you following period of immobilization
2. How will you treat 30 year old typist with mild rupture of Tendinous Cuff of R shoulder, referred to you one month after his fall.
3. Write notes on :
  - i) Common Tendon Transfer operations in upper limbs in chronic stage of Anterior Poliomyelitis
  - ii) Parts of Standard Above Elbow Prosthesis.
  - iii) Occupational Therapy for dislocation of Carpo-metacarpal joint of Left thumb, referred to you following two weeks of immobilization.
  - iv) Occupational Therapy for mild low back pain in convalescence.

**APRIL - 1994**

~~VII APP~~

BACHELOR OF OCCUPATIONAL THERAPY

DEGREE EXAMINATION

FIFTH SEMESTER NEW REGULATION

PAPER IV OCCUPATIONAL THERAPY IN NEUROLOGY  
AND ORTHOPAEDICS

Time: Three hours

Max. marks: 100

SECTION A

(50 marks)

OCCUPATIONAL THERAPY IN NEUROLOGY

Answer any TWO Questions

All Questions carry equal marks

1. How will you treat 50 year old, factory watchman with Neurogenic ossification to continue his job for some more years.
2. Describe sensory therapy in detail for a 60 year old retired teacher with chronic residual Hemiplegia.
3. Write notes on:
  - a. Neurodevelopmental approach.
  - b. Therapeutic activities for athetoid hand
  - c. Splinting following ulnar nerve injury

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- d. Report to referring Neurophysician
- e. Psychological factors affecting selection of activity.

SECTION B (50 marks)

**OCCUPATIONAL THERAPY IN ORTHOPAEDICS**

ANSWER ANY TWO QUESTIONS

Will you treat 45 year old lawyer with osteoarthritis of Right hip with more emphasis on kinematics in out door transfer.

Describe comprehensive Occupational Therapy following Orthrodesis of flial Right shoulder joint of sales girl in a jewellery shop.

Write notes on:

- a. Occupational Therapy for Infantile idiopathic seditosis.
- b. Your specific role in convalescent polio child.
- c. General rules for measuring joint range of movements.
- d. componants of locomotion.
- e. Crutch Gaits.

# NOVEMBER - 1994

ND 816

**Bachelor Of Occupational Therapy Degree Examination**

**Fifth Semester - New Regulation**

**Write Section-A and Section -B in Seperate Books**

**Occupational Therapy in  
NEUROLOGY AND ORTHOPAEDICS:**

**Time : 3 Hours**

**Max : 100 Marks**

**Section-A**

**50 Marks**

**OCCUPATIONAL THERAPY IN NEUROLOGY**

**Answer any Two Questions**

1. How will you treat a lady with Myasthenia Gravis, getting intense symptoms following menstruation.
2. How will you treat a House Wife with accidental cut at her wrist referred to you after Median Nerve suturing.
3. Write Notes on :
  - a. Occupational Therapy for muscular dystrophy child
  - b. Occupational Therapy for cauda equina tumor in early stages
  - c. Follow up of spinal Muscular Atrophy
  - d. Dynamic Occupational Therapy for Infectious polyneuritis in convalescence
  - e. Management of Myositis

**Section-B**

**50 Marks**

**OCCUPATIONAL THERAPY IN ORTHOPAEDICS**

**Answer any two questions**

1. Describe Occupational Therapy for a student of 18 years with Poliomyelitis referred to you following STEINDLER'S Flexorsplasty in right upper limb.
2. How will you treat a saleswoman with Traumatic Ulnar Neuritis following fracture, referred to you after surgical Transposition.
3. Write notes on :
  - a. Occupational therapy for thumb in palm deformity
  - b. Occupational therapy for mild Volkmann's Ischemic contracture
  - c. Occupational therapy for cervical spinal discogenic pain
  - d. Psychological factors affecting selection of treatment media
  - e. Bracing of spastic hand.

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**SB 830**

**BACHELOR OF OCCUPATIONAL THERAPY  
DEGREE EXAMINATION  
(New Regulations)  
Fifth Semester**

**Paper IV - Occupational Therapy in  
NEUROLOGY AND ORTHOPAEDICS**

**Write Section A and B in Separate books.**

**Time : Three hours**

**Max. 100 marks.**

**SECTION - A**

**Occupational Therapy in Neurology  
Answer any TWO questions.**

1. What is myasthenia gravis. How will you treat a lady with myasthenia gravis following a stage of remission in pregnancy (25)
2. How will you treat 40 year old maid-servant with low back pain following Lumbar Spondylitis in early stages. (25)
3. Write short notes on: (5 X 5 = 25 )
  - a) A.D.L. Training in mild Erb's palsy in a 3 year old child.
  - b) Occupational Therapy in Athetoid Hands of cerebral palsy child
  - c) Occupational Therapy in Leprous Neuritis
  - d) Implementation of Biofeed back technique
  - e) Splinting for claw hand.

**SECTION - B**

**Occupation Theapy in Orthopaedics  
Answer any TWO questions.**

1. Describe occupational Therapy for a school boy with Rickets with Genu valgum deformity referred to you following open wedge osteotomy. (25)
2. Describe occupational therapy of 20 year old college student with recurrent dislocation of Glenohrumeral joint. referred to you 5 weeks after Putti Platt operation. (25)
3. Write short notes on:
  - a). Occupational therapy following tenodesis procedure
  - b). Occupational Therapy for mild bicipital Tenosynovitis
  - c). Mechanism of recurrent dislocation of shoulder.
  - d). Clinical features of intrinsic loss
  - e). Occupational therapy for Hydrocortisone Arthropathy (5X5=25)

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NOVEMBER - 1995

MB 946

**BACHELOR OF OCCUPATIONAL THERAPY  
DEGREE EXAMINATION  
(NEW REGULATIONS)**

Fifth Semester  
Paper-IV Occupational Therapy in  
Neurology and Orthopaedics.

Time: Three hours

Max. Marks:100

Write Sections A and B in separate books.

**Section - A**

Answer any Two questions.

1. How will you treat a 45 years old lady having multiple sclerosis since last 3 years. (25)
2. How will you treat a Bus Driver with accidental cut at his wrist referred to you after median nerve suturing. (25)
3. Write notes on:
  - a). Occupational Therapy for cauda equina in early stages
  - b). O.T. for tuberculous meningitis
  - c). O.T. in low Back pain
  - d). Sensory perception analysis
  - e). Management of myositis (5 x 5 = 25)

**SECTION - B**

Answer any Two questions

1. Since last five years, a house wife complains pain in her joints due to Rheumatoid arthritis. Describe the role of O.T. (25)
2. How will you treat a carpenter with right below elbow amputation. (25)
3. Write notes on:
  - a). O.T. management for club foot
  - b). Hand splinting
  - c). Shoulder Hand syndrome
  - d). Deformities in leprosy
  - e). Role of O.T. in cerebellar ataxia (5 x 5 = 25)

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OCTOBER - 1996

( PK 946 )

BACHELOR OF OCCUPATIONAL THERAPY  
DEGREE EXAMINATION  
(New regulations)

Fifth Semester

PAPER IV - OCCUPATIONAL THERAPY IN  
ORTHOPAEDICS AND NEUROLOGY

Time: Three hours

Max:100 marks

Answer Sections A and B in separate answer books

SECTION-A (50 marks)

Answer any TWO Questions

1. Describe a programme for a head injury patient in the stage of 'confused inappropriate' responses. (25)
2. Describe various O.T. activities that can be given at different stages of Brunstrom's recovery stages of hand. (25)
3. Write notes on: (5x5 =25)
  - a) Prevention of Pressure sores
  - b) Heavy joint compression
  - c) Calipers
  - d) Management of ATAXIA
  - e) Splinting in the spastic hand

SECTION-B (50 marks)

Answer any TWO Questions

1. Orthotic management for paralytic Poliomyelitis: Discuss. (25)
2. Describe a rehabilitation programme for a C7 level quadriplegic patient. (25)
3. Write notes on: (5x5=25)
  - a) Foot care in Leprosy
  - b) Sudeck's atrophy
  - c) Goniometer
  - d) Hand care in Leprosy
  - e) Knuckle-bender splint

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OCTOBER - 1996

( PK 950 )

BACHELOR OF OCCUPATIONAL THERAPY  
DEGREE EXAMINATION

( NEW REGULATIONS )  
SIXTH SEMESTER

PAPER I - OCCUPATIONAL THERAPY IN  
ORTHOPAEDICS AND NEUROLOGY

Time: Three hours Max:100 marks

Answer Sections A and B in  
separate answer books

SECTION - A

Answer any TWO questions

1. Describe a detailed O.T. programme for a patient with Right Hemiplegia in fourth stage of Arm and Hand recovery. (25)
2. Discuss O.T. management in detail for a person with muscular dystrophy at wheel chair phase. (25)
3. Write notes on: (5x5=25)
  - a) Babinski reflex
  - b) 'A-icing'
  - c) Positive supporting reaction
  - d) Care of anaesthetic hands
  - e) 'Mobility on stability' phase

SECTION - B

Answer any TWO questions

1. Discuss in detail the preprosthetic programme for a patient with bilateral below elbow (25) amputation.
2. Write an essay on prevention of low back pain through an educational programme. (25)
3. Write notes on: (5x5=25)
  - a) Manual muscle testing
  - b) Stump care
  - c) Toilet seat adaptations
  - d) Deep vein thrombosis
  - e) Principles of strengthening weak muscles.

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OCTOBER - 1997

[MS 946]

BACHELOR OF OCCUPATIONAL THERAPY DEGREE  
EXAMINATION.

Fifth Semester

(New/Revised Regulations)

Paper IV — OCCUPATIONAL THERAPY IN  
ORTHOPAEDICS AND NEUROLOGY

Time : Three hours

Maximum : 100 marks

Answer Sections A and B in separate answer books.

SECTION A

1. Write an essay on any ONE of the following : (20)
  - (a) O.T. Management for an office clerk with motor neuron disease in early stages.
  - (b) O.T. programme for a sales girl in textile shop with cerebellar ataxia.
2. Write short notes on any SIX : (6 × 5 = 30)
  - (a) Management of sensory deficit.
  - (b) Stereognosis.
  - (c) Peripheral therapy.
  - (d) Self help devices.
  - (e) Evaluation of cortical functions.
  - (f) Aphasia.
  - (g) Prevocational assessment.
  - (h) ADL training for mild cervical cord injury.

[MS 946]

SECTION B

3. Write an essay on any ONE of the following : (20)
  - (a) O.T. Management for a house wife who is having right below elbow prosthesis.
  - (b) O.T. Management for an administrative officer suffering from chronic lumbosacral pain.
4. Write short notes on any SIX : (6 × 5 = 30)
  - (a) Hand splints.
  - (b) Wheel chair positioning.
  - (c) Walking aids.
  - (d) Muscle reeducation.
  - (e) Biomechanical approach.
  - (f) Volkman's ischaemic contracture.
  - (g) Hemiplegic gait.
  - (h) Muscular dystrophy.

APRIL - 1998

[SV 946]

Sub. Code : 5299

BACHELOR OF OCCUPATIONAL THERAPY  
DEGREE EXAMINATION.

Fifth Semester

(Revised Regulations)

Paper IV — OCCUPATIONAL THERAPY IN  
ORTHOPAEDICS AND NEUROLOGY

Time : Three hours

Maximum : 100 marks

Answer Sections A and B in separate answer books.

SECTION A

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

(a) Discuss the role of Occupational Therapy in rehabilitation of a quadriplegic housewife with lesion at C<sub>7</sub>T<sub>1</sub>.

(b) How do symptoms of Upper Motor Neuron lesion differ from those of Lower Motor Neuron lesion?

Discuss the role of Occupational Therapy in the management of Paraplegia.

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

(a) Tennis Elbow

(b) Foot care in Hansen's

(c) Common deformities in Rheumatoid Arthritis

(d) CTEU and conservative management

(e) Shoulder hand syndrome

(f) Thrombosis and Embolism

(g) Claw hand

(h) Gait.

SECTION B

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

(a) What are the principles of strengthening weak muscles? Plan out Occupational Therapy for a patient with Gullain Barre Syndrome.

(b) Explain the importance of evaluation of cortical sensory evaluation. Describe O.T. management of a patient with Right hemiplegia following CVA with cortical sensory loss.

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

(a) Reflex activity related to voluntary motor control

(b) Radial Nerve Palsy

(c) Occupational Therapy for Collar fracture

(d) Selection criteria and grading methods

(e) Sensory perception analysis

(f) Biomechanical approach

(g) Hand care in Leprosy

(h) Control of movement.

OCTOBER - 1998

[SM 946]

BACHELOR OF OCCUPATIONAL THERAPY DEGREE  
EXAMINATION.

Fifth Semester

(New/Revised Regulations)

Paper IV — OCCUPATIONAL THERAPY IN  
ORTHOPAEDICS AND NEUROLOGY

Time : Three hours

Maximum : 100 marks

Answer Sections A and B in separate answer books.

SECTION A

1. Write an essay on any ONE of the following : (20)
  - (a) Define Amputation and discuss the pre and post prosthetic occupational therapy programme for a patient of 28 years with bil. BE amputation.
  - (b) Describe a programme for a head injury patient in the stage of "confused inappropriate" responses.
2. Write short notes on any SIX : (6 × 5 = 30)
  - (a) Cerebellar ataxia.
  - (b) Methods of measuring grasp strength.
  - (c) Myositis ossifications — prevention and management.
  - (d) Adaptations in ADL.
  - (e) Prevention of pressure sores.
  - (f) Work simplification for handicapped.
  - (g) Ulnar Nerve Palsy.
  - (h) Neurodevelopmental approach.

SECTION B

3. Write an essay on any ONE of the following : (20)
  - (a) What are the major problems of a hemiplegic with parietal lobe involvement? Describe the procedure for higher functional assessment and training involved in treatment of such case.
  - (b) Explain what do you understand by complete T<sub>10</sub> cord lesion following bullet injury. Outline occupational therapy programme for such a client from bed to vacation.
4. Write short notes on any SIX : (6 × 5 = 30)
  - (a) Low back pain
  - (b) Cerebral tumors.
  - (c) R.O.M.
  - (d) Wheel chair.
  - (e) Cock-up splint.
  - (f) Prevocational analysis.
  - (g) Basic principles of kinesiology.
  - (h) General principles of treating a fractured limb.

**APRIL - 1999**

**[SG 946]**

**BACHELOR OF OCCUPATIONAL THERAPY  
DEGREE EXAMINATION.**

**Fifth Semester**

**(New/Revised Regulations)**

**Paper IV — OCCUPATIONAL THERAPY IN  
ORTHOPAEDICS AND NEUROLOGY**

**Time : Three hours                      Maximum : 100 marks**

**Answer Sections A and B in separate answer books.**

**SECTION A**

1. Write an essay on any ONE of the following : (20)
  - (a) Describe ADL training for a patient with Hemiplegia of the right side.
  - (b) Mechanical principles of splinting.
2. Write short notes on any SIX : (6 × 5 = 30)
  - (a) Swan neck deformity
  - (b) Stereognosis
  - (c) knuckle bender splint
  - (d) Sensory re-education
  - (e) Unilateral neglect
  - (f) Dexterity
  - (g) Crutches
  - (h) Facilitation of tone through proprioceptors.

**SECTION B**

3. Write an essay on any ONE of the following : (20)
  - (a) Rehabilitation of a patient with multiple sclerosis.
  - (b) Describe OT management of a patient with C-7 Quadriplegia.
4. Write short notes on any SIX : (6 × 5 = 30)
  - (a) Cable control efficiency
  - (b) Ulnar drift splint
  - (c) Z-thumb deformity
  - (d) Two point discrimination
  - (e) Limb apraxia
  - (f) Tenodesis grasp
  - (g) Anklefoot orthosis
  - (h) Inhibition of tone.

**APRIL - 2000**

**[KB 950]**

**Sub. Code : 5699**

**B.O.T. DEGREE EXAMINATION.**

**Fifth Semester**

**(Revised Regulations)**

**Paper IV — OCCUPATIONAL THERAPY IN  
ORTHOPAEDICS AND NEUROLOGY**

**Time : Three hours**

**Maximum : 100 marks**

**Answer Section A and B in separate answer books.**

**SECTION A**

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

(a) What is myaesthesia gravis? How will you manage a lady with myaesthesia gravis?

(b) Discuss O.T. management in detail for a person with muscular dystrophy at wheel chair phase.

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

(a) A.D.L. training in Mild Erb's palsy in a 3 year old child.

(b) O.T. for leprosy neuritis

## APRIL - 2000

- (c) Splinting for claw hand
- (d) Care of anaesthetic hands
- (e) Mobility on stability phase
- (f) Babinski reflex
- (g) Management of sensory deficit
- (h) Self help devices.

- (e) Principles of strengthening neck muscles
  - (f) Manual muscle testing
  - (g) Walking aids
  - (h) Biomechanical approach.
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### SECTION B

3. Answer any ONE question : (20)

(a) Describe O.T. for 50 year old housewife with fracture neck humerus (Rt.) referred to you following period of immobilisation.

(b) Define Amputation and discuss pre and post prosthetic occupational therapy programme for a patient of 28 years with bilateral BE amputation.

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

(a) Myositis ossification — prevention and management.

(b) Stump care

(c) Toilet seat adaptation

(d) Deep vein thrombosis

**APRIL - 2000**

[KB 959]

Sub. Code : 5717

B.O.T. DEGREE EXAMINATION.

Sixth Semester

(Modified Regulations)

Paper I — O.T. IN NEUROLOGY AND  
ORTHOPAEDICS

Time : Three hours

Maximum : 100 marks

Answer Section A and B in separate answer books.

SECTION A

(NEUROLOGY)

1. Write an essay on any ONE : (20)
  - (a) Explain complete  $T_{10}$  cord lesion following bullet injury. O.T. management of such patient from bed to vacation.
  - (b) What is motor neuron disease? How will you treat a 30 year old tailor with early features of motor neuron disease?
2. Write short notes on any SIX of the following : (6 × 5 = 30)
  - (a) "A-icing"
  - (b) Positive supporting reaction

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- (c) Evaluation of cortical functions
- (d) ADL training for mild cervical cord injury
- (e) O.T. in cerebral ataxia
- (f) Ulnar nerve palsy
- (g) Methods of measuring grasp strength
- (h) Neurodevelopmental technique.

### SECTION B

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

(a) O.T. management of an administrative officer (50 year old) with chronic lumbosacral pain.

(b) How will you treat a typist with mild rupture of tendinous cuff of (MR) shoulder referred to you one month after his fall?

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

(6 × 5 = 30)

(a) O.T. for dislocation of carpo metacarpal joint of left thumb

(b) Walking aids

(c) Volkman's ischaemic contracture

- (d) Work simplification for handicapped
- (e) O.T. for mild bicipital tenosynovitis
- (f) O.T. hydro cortisone arthropathy
- (g) Prevention of pressure sores
- (h) Wheel chain.



OCTOBER - 2000

[KC 950]

Sub. Code : 5699

B.O.T DEGREE EXAMINATION.

Fifth Semester

(Revised Regulations)

Paper IV — OCCUPATIONAL THERAPY IN  
ORTHOPAEDICS AND NEUROLOGY

Time : Three hours

Maximum : 100 marks

Answer Sections A and B in separate answer books.

SECTION A

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

(a) Describe the Occupational therapy treatment for a C<sub>6</sub> Quadriplegic patient.

(b) Describe the Occupational therapy treatment for a middle aged female with left middle cerebral artery Infaret.

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

(a) Cerebellar signs.

(b) Gullian Barre syndrome.

(c) Treatment for Bradykinesia.

(d) Activities of Improve coordination.

(e) Proprioception.

(f) Amyotrophic lateral Aclerosis.

(g) Duchenne's muscular dystrophy – counselling.

(h) Head injured patient (confused agitated stage) — Management.

SECTION B

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

(a) Describe the Occupational Therapy treatment for a 30 year old male in a secretarial job with right median nerve involvement following Hansen's disease.

(b) Principles of Hand splinting.

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

(a) Volkmann's ischaemic contracture.

(b) Reflex sympathetic dystrophy – management.

(c) Dexterity.

(d) Health education in low back pain.

(e) Klumpke's palsy.

(f) Fracture forearm – post operative treatment.

(g) Activities for pre--prosthetic training.

(h) Quadriceps strengthening activities.

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[KC 959]

Sub. Code : 5717

BACHELOR OF OCCUPATIONAL THERAPY  
DEGREE EXAMINATION.

Fifth Semester

(Modified Regulation)

Paper IV — OCCUPATIONAL THERAPY IN  
ORTHOPAEDICS AND NEUROLOGY

Time : Three hours

Maximum : 100 marks

Answer Sections A and B in separate Answer book.

SECTION A

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

(a) Define low back pain. Body Mechanical principles for 30 year old house wife with low back pain.

(b) Occupational therapy intervention for a 25 year old Engineer with left brain damage with defecits in body scheme and unilateral neglect.

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

(a) Volkman's ischemic contracture.

(b) Glasco Coma Scale, Come Score.

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- (c) KAFO's and AFO.
- (d) Memory – define, types, retraining.
- (e) Mechanical principal in splinting.
- (f) Checkout's for above elbow prosthesis.
- (g) Flexor hinge splint.
- (h) Principles in muscle testing and range of motion.

### SECTION B

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

(a) Occupational therapy intervention for T<sub>4</sub> complete paraplegic, married and was working as agricultural coolie worker.

(b) Occupational therapy intervention for a head injured in stage seven and eight in Rancho Scale.

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

(a) Treatment techniques used to improve motor control in Parkinson's disease.

(b) Tenodesis grasp.

(c) Facilitatory techniques used in Roods approach.

(d) Strong and weak components of Extensor synergy of upper extremity and flexor synergy of lower extremity.

(e) Erb's palsy.

(f) Splints for Quadriplegics.

(g) Handling in Bobath's approach.

(h) Precautions to be taught for a patient with total hip replacement.