

APRIL - 2001

[KD 950]

Sub. Code : 5699

BACHELOR OF OCCUPATIONAL THERAPY  
DEGREE EXAMINATION.

(Revised Regulations)

Fifth Semester

OCCUPATIONAL THERAPY IN ORTHOPAEDICS  
AND NEUROLOGY

Time : Three hours

Maximum : 100 marks

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

(a) Describe the occupational therapy treatment for a 30 year old male with Head injury (confused inappropriate stage).

Or

(b) Describe the occupational therapy Intervention for a 26 year old female with multiple sclerosis.

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

- (a) Progressive muscular Atrophy
- (b) Cortical sensations
- (c) Manipulation
- (d) Apraxia
- (e) Guillian Barre Syndrome
- (f) Spastic hand
- (g) Bladder management in spinal cord injury
- (h) Rigidity.

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

(a) Describe the occupational therapy treatment for 28 year old female with Bilateral Below-Elbow Amputation.

Or

(b) Describe the occupational therapy intervention for a 35 year old male with laceration of Right ulnar and median nerves at the wrist.

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

- (a) Mechanical principles of splinting
- (b) Muscle re-education
- (c) Shoulder hand syndrome
- (d) Erb's palsy
- (e) Techniques for reducing edema
- (f) Frozen shoulder – management
- (g) Principles of muscle strengthening
- (h) Limb length discrepancy.

APRIL - 2001

[KD 959]

Sub. Code : 5717

BACHELOR OF OCCUPATIONAL THERAPY  
DEGREE EXAMINATION.

(Modified Regulations)

Sixth Semester

Paper IV — OCCUPATIONAL THERAPY IN  
ORTHOPAEDICS AND NEUROLOGY

Time : Three hours

Maximum : 100 marks

1. Write an essay on any ONE of the following : (20)
  - (a) Complete occupational therapy evaluation procedures for Neurology patient.
  - (b) Mechanical principles of splinting.
2. Write short notes on any SIX : (6 × 5 = 30)
  - (a) Mobility skills.
  - (b) Unilateral neglect.
  - (c) Peripheral Nerve injury.
  - (d) G.B.S.
  - (e) Wheel Chair Mobility.
  - (f) Dysphasia.
  - (g) Global Aphasia.
  - (h) Crutches.

3. Write an essay on any ONE of the following : (20)
  - (a) Rehabilitation of the patient with Rheumatoid Arthritis.
  - (b) Describe Occupational Therapy Management of a patient with C7 & quadriplegia.
4. Write short notes on any SIX : (6 × 5 = 30)
  - (a) Walking Aids.
  - (b) Life skills Assessment.
  - (c) A.E. Amputation.
  - (d) Post-Prosthetic training.
  - (e) Tenodesis grasp.
  - (f) Boutonniere deformity.
  - (g) Pre vocational Assessment.
  - (h) Lumbo Sacral belt.

**APRIL - 2001**

**[KD 976]**

**Sub. Code : 5901**

**BACHELOR OF OCCUPATIONAL THERAPY  
DEGREE EXAMINATION**

(New Modified Regulations)

Sixth Semester

**OCCUPATIONAL THERAPY IN ORTHOPAEDICS  
AND NEUROLOGY**

Time : Three hours

Maximum : 100 marks

1. Write an essay on any ONE of the following. (20)
  - (a) Occupational therapy intervention for a patient with polio in Acute stage.
  - (b) Occupation therapy intervention for a 15 year old girl with shoulder hand syndrome.
2. Write short notes on any SIX : (6 × 5 = 30)
  - (a) Reflex inhibiting patterns.
  - (b) Myoelectric Prosthesis.
  - (c) Body Scheme disorders.
  - (d) Brunstrom recovery stages in Hand.
  - (e) Progressive Resistive Exercise.
  - (f) Check out for splinting.
  - (g) Compensation for sensory loss.
  - (h) Side Swipe injury.

3. Write an essay on any ONE of the following : (20)
  - (a) Health education for a person whose face, hands and legs are affected by Hansen's disease (leprosy).
  - (b) Occupational therapy intervention for 30 year old telephone operator with median and ulnar nerve injury.
4. Write short notes on any SIX : (6 × 5 = 30)
  - (a) Characteristic of activity used to increase endurance.
  - (b) Foundation visual skills.
  - (c) Painful Hemiplegic shoulder.
  - (d) Orthosis for Spastic hand.
  - (e) Associated Reaction.
  - (f) List 5 activities used to improve attention deficit.
  - (g) Position for Head injured in Rancho's level I and II.
  - (h) Antigenic motor pattern.

**NOVEMBER - 2001**

**[KE 950]**

**Sub. Code : 5699**

**BACHELOR OF OCCUPATIONAL THERAPY  
DEGREE EXAMINATION.**

(Revised/Modified Regulations)

Fifth/Sixth Semester

**OCCUPATIONAL THERAPY IN ORTHOPAEDICS  
AND NEUROLOGY**

Time : Three hours

Maximum : 100 marks

1. Answer any ONE : (20)

(a) An Engineer of 35 years male suffering from parietal, frontal and basal ganglia dysfunction due to head injury. Write in detail occupational therapy management.

Or

(b) A lathe worker of 30 years male suffering from below Elbow amputation (Rt.). How will you manage the case, emphasis should be on his vacation.

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

(a) Principle of Splinting.

(b) Volkmon's Ischemic contracture.

(c) Management of Claw Hand.

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(d) Occupational therapy management for carpal bone dislocation.

(e) Perceptual disorders in hemiplegia.

(f) Difference between left and right hemiplegia.

(g) Carpal tunnel syndrome.

(h) Hand evaluation.

3. Answer any ONE question : (20)

(a) A housewife of 45 years age suffering from Colle's fracture. Write in detail occupational therapy management and its complication management.

Or

(b) A young male of 20 years age suffering from T10 level of spinal cord injury. Write in detail occupational therapy management, emphasis should be on his vocational, ADL and psychosocial aspects.

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

(a) Occupational Therapy evaluation for co-ordination.

(b) Median Nerve Injury.

(c) Work simplification technique in Low Back pain.

(d) Checkout for Below Elbow prosthesis.

(e) Bell's Palsy.

(f) Mallet finger deformity.

(g) Classification of muscular dystrophy.

(h) Body Mechanics technique in Low Back pain.

NOVEMBER - 2001

[KE 976]

Sub. Code : 5901

BACHELOR OF OCCUPATIONAL THERAPY  
DEGREE EXAMINATION.

(New Modified Regulations)

Sixth Semester

OCCUPATIONAL THERAPY IN ORTHOPAEDICS  
AND NEUROLOGY

Time : Three hours

Maximum : 100 marks

1. (a) Describe the principles and techniques of Bobath Neurodevelopmental Approach that you would use for a Left Hemiplegic patient in the flaccid, recovery and rehabilitative stages. (20)

Or

(b) Describe the occupational therapy management for a 45 year old lady with Parkinson's disease.

2. Write short notes on any SIX : (30)

- (a) Mobile arm support.
- (b) Autonomic dysreflexia.
- (c) Colle's fracture.
- (d) Shoulder hand syndrome.

(e) Checkout of BE prosthesis.

(f) Clinical features seen in Multiple Sclerosis.

(g) Clinical features seen in Motor Neuron Disease.

(h) Wrist drop.

3. (a) Describe occupational therapy management for a quadriplegic patient with last innervated level C<sub>6</sub>. (20)

Or

(b) Describe the principles and techniques used for improving strength, range of motion and endurance according to the biomechanical approach.

4. Write short notes on any SIX : (30)

(a) Clinical features seen in Cerebellar Ataxia.

(b) Wrist driven flexor hinge splint.

(c) Decubites Ulcer.

(d) Splints acting on thumb.

(e) Stimulation for a patient in Coma.

(f) Techniques for relaxation of muscle tonic.

(g) Stages of recovery in Brunstrom's movement therapy.

(h) Positioning in flaccid stage of hemiplegia.

**MARCH - 2002**

**[KG 950]**

**Sub. Code : 5699**

**BACHELOR OF OCCUPATIONAL THERAPY  
DEGREE EXAMINATION.**

**Fifth/Sixth Semester**

**(Revised/Modified Regulations)**

**OCCUPATIONAL THERAPY IN ORTHOPAEDICS  
AND NEUROLOGY**

**Time : Three hours**

**Maximum : 100 marks**

1. Write an essay on any ONE of the following : (20)
  - (a) Describe the occupational therapy management for a C<sub>6</sub> Quadriplegic patient who is an typist by profession.
  - (b) Describe the occupational therapy management for a middle aged female with multiple sclerosis.
2. Write short notes on (any SIX) : (6 × 5 = 30)
  - (a) Cerebellar Ataxia.
  - (b) Little's disease.
  - (c) Activities to improve eye–hand coordination.
  - (d) Motor Neurone disease.
  - (e) Cerebral tumour.

- (f) Brown – sevard syndrome.
- (g) ADL training for hemiplegic.
- (h) Management for head injury patient in confused agitated stage.

3. Write an essay on any ONE of the following : (20)
  - (a) Describe the occupational therapy treatment for a 30 year old female with Rheumatoid Arthritis.
  - (b) Describe the Occupational Therapy treatment for a male who has undergone 'Total hip replacement'.
4. Write short notes on (any SIX) : (6 × 5 = 30)
  - (a) Activities to strengthen quadriceps
  - (b) Low back pain
  - (c) Principles of hand splinting
  - (d) Pre–prosthetic training for UE prosthesis
  - (e) Management of Phantom Limb sensation
  - (f) Shoulder hand syndrome
  - (g) Colles fracture
  - (h) Radial Nerve Palsy.

MARCH - 2002

[KG 976]

Sub. Code : 5901

B.O.T. DEGREE EXAMINATION.

(New Modified Regulations)

Sixth Semester

Paper I — O.T. IN ORTHOPAEDICS AND  
NEUROLOGY

Time : Three hours

Maximum : 100 marks

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

(a) Describe the Occupational Therapy treatment for a middle aged female with left middle cerebral artery infarct.

(b) Describe the O.T. management for a 60 year old male patient with a diagnosis of Dementia.

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

(a) Parkinsons Disease

(b) Treatment for incoordination

(c) Erb's Palsy

(d) Treatment for sensory loss

(e) Median Nerve Palsy

(f) Duchenne's Muscular Dystrophy

(g) Management of Head injury patient with perceptual problem

(h) Energy conservation techniques.

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

(a) Describe the OT management for a 25 years old male with Rt Median nerve involvement following Hansen's disease.

(b) Describe the OT management for a young female with Bil upper extremity amputation.

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

(a) Ideal stump

(b) OT management for Reflex sympathetic dystrophy

(c) Klumpke's palsy

(d) Prosthetic Drill

(e) OT management for Total knee replacement

(f) Hand functions

(g) Low backache — prevention and management

(h) Activities to strengthen finger flexors and finger extensors.



**SEPTEMBER - 2002**

**[KH 950]**

**Sub. Code : 5699**

**BACHELOR OF OCCUPATIONAL THERAPY  
DEGREE EXAMINATION.**

**Fifth/Sixth Semester**

**(Revised/Modified Regulations)**

**OCCUPATIONAL THERAPY IN ORTHOPAEDICS  
AND NEUROLOGY**

**Time : Three hours**

**Maximum : 100 marks**

1. Write an essay on any ONE of the following : (20)
  - (a) Enumerate common fractures around shoulder joint and its O.T. Management.
  - (b) Mechanical principles of Hand splinting.
2. Write short note on any SIX of the following :  
(6 × 5 = 30)
  - (a) Colles fracture
  - (b) Terminal devices
  - (c) Adaptive devices for hand injured patients
  - (d) Ergonomic design of an office for a patient with Low Back Pain

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(e) Explain biomechanical aspects of a short opponens splint

(f) Biomechanical approach

(g) Tennis elbow

(h) Myositis ossificans.

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

(a) Explain O.T. management of a Duchene's muscular dystrophy patient who is in the wheel chair phase.

(b) Explain O.T. management for a patient with head injury at the confused in appropriate stage.

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

(6 × 5 = 30)

(a) Splinting in C<sub>5</sub> C<sub>6</sub> B.P.I.

(b) V.I.C.

(c) Muscle reeducation programme after Bunnel's surgery for claw hand

(d) Enumerate coordination improving activities for a patient with cerebral ataxia

(e) Sensory perceptual dysfunction

(f) Selection criterias in therapeutic activities

(g) Trick movements in upper limb poliomyelitis

(h) Weight bearing.

SEPTEMBER - 2002

[KH 976]

Sub. Code : 5901

B.O.T. DEGREE EXAMINATION.

(New Modified Regulations)

Sixth Semester

Paper I — O.T. IN ORTHOPAEDICS AND  
NEUROLOGY

Time : Three hours

Maximum : 100 marks

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

(a) Describe occupational therapy role in a head injury patient in the Rancho's sixth stage.

Or

(b) Describe evaluation and treatment methods for cognition and perception in a right side hemiplegic patient.

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

(6 × 5 = 30)

(a) Body Scheme disorder

(b) Icing

(c) Proper Positioning

(d) Brady Kinesia

(e) Claw hand

(f) Coordination improving activities.

(g) Median nerve palsy.

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

(a) Describe causes, clinical features and management in anterior dislocation of shoulder joint.

Or

(b) Principles of Hand Splinting.

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

(a) Care of anaesthetic hands and feet

(b) Mobility on stability

(c) Sudeck's dystrophy

(d) Manual muscle testing

(e) Tenodesis splint

(f) Treatment in colles fracture

(g) Functional cast bracing.

**APRIL - 2003**

**KI 950**

**Sub Code: 5699**

**BACHELOR OF OCCUPATIONAL THERAPY  
DEGREE EXAMINATION.**

**Fifth/Sixth Semester**

**Revised Regulations/Modified Regulations**

**OCCUPATIONAL THERAPY IN ORTHOPAEDICS AND NEUROLOGY**

**Time: Three hours**

**Maximum: 100 marks**

1. Write essay on any ONE of the followings: (20)
  - a) A women of 56 yrs old diagnosed as Motor Meccucon disease. Write in details Occupational Therapy management..
  - b) A house wife of 40 yrs age suffering from Low back pain. Write in details Occupational Therapy management, emphasis should be on home management
  
2. Write short notes on any SIX ( 6 X 5 = 30)
  - a) Pathological gait.
  - b) Occupational Therapy management of Scaphoid fracture
  - c) Prevention of deformities in Leprosy
  - d) Types of transfer used for quadriplegic
  - e) Occupational Therapy management of spartic hemiplegic hand
  - f) Classification of muscular dyrtrophy
  - g) Dutouniene deformity
  - h) Parts of above Elbow prosthesis.

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- 3 Write essay on any ONE of the followings: (20)
- a) A female clerk of 28 yrs suffering from Brachial plexus injury. Write in details Occupational Therapy management.
  - b) A girl of 22 yrs suffering from Guillen Barre syndrome. Write in details Occupational Therapy management.
4. Write short notes on any SIX ( 6 X 5 = 30)
- a) Pre-prosthetic Occupational Therapy management of above elbow amputee.
  - b) Occupational Therapy management for shoulder dislocation
  - c) Treatment planning
  - d) Occupational Therapy management for Reflex sympathetic dystrophy
  - e) Pressure sores and its management
  - f) Occupational Therapy management for shoulder problem on stroke
  - g) Body mechanics technique in low back pain
  - h) Radial nerve injury.

APRIL - 2003

[KI 976]

Sub. Code : 5901

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

(New Modified Regulations)

Sixth Semester

**Paper I — O.T. IN ORTHOPAEDICS AND  
NEUROLOGY**

Time : Three hours

Maximum : 100 marks

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

(a) Describe how you would use Bobath's Neuro developmental Approach for a Right Side Hemiplegic patient.

Or

(b) Describe the principles of Brunnstrom's approach and its applications for a left Hemiplegic patient in stage one of the recovery stages for arm and hand.

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

(a) Occupational Therapy aims of intervention in the Rehabilitative stage of poliomyelitis.

(b) Mechanical principles of Hand splinting — list briefly.

(c) Deformities seen in leprosy.

(d) Check out of above elbow prosthesis

(e) Volkman's ischaemic contracture

(f) Clinical features seen in Parkinson's disease

(g) Prerequisites for wheel chair transfers in spinal cord injury

(h) Colles fracture.

3. (a) Describe the occupational therapy management for a patient with below elbow amputation. (20)

Or

(b) Describe the management for a 15 year old patient with Duchene's muscular Dystrophy.

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

(a) Mobility Aids

(b) Environmental controls

(c) Tests for coordination

(d) Splints acting on thumb

(e) Clinical features seen in Erb's palsy

(f) Describe clinical features seen in Ulnar nerve paralysis

(g) Autonomic Dysreflexia

(h) Aids and adaptations for activities of Daily living.

OCTOBER - 2003

[KJ 950]

Sub. Code : 5699

BACHELOR OF OCCUPATIONAL THERAPY  
DEGREE EXAMINATION.

Fifth/Sixth Semester

(Revised Regulations/Modified Regulations)

OCCUPATIONAL THERAPY IN ORTHOPAEDICS  
AND NEUROLOGY

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 the M.C.Q Booklet.

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Write essay any TWO : (2 × 15 = 30)

1. Describe the O.T management of a 30 year old  
farmer with spinal cord injury at T<sub>10</sub> level.

2. Discuss the Bobath approach for a 50 year old  
housewife with right side hemiplegia.

3. Define amputation and discuss the pre and post  
prosthetic training for a above elbow amputee aged  
30 year, working as a clerk.

4. Discuss the occupational therapy programme for a  
16 year old boy with right radial nerve palsy following a  
displaced fracture of radius and ulna.

II. Write short notes : (10 × 5 = 50)

- (a) Volkmans Ischaemic contracture.
- (b) Autonomic dysreflexia.
- (c) Principles of hand splinting (briefly).
- (d) O.T. management of low back pain
- (e) Unilateral neglect.
- (f) RANCHO LOS AMIGOS SCALE.
- (g) Carpal tunnel syndrome.
- (h) Types of aphasia.
- (i) Brunnstrom stages of recovery in Hemiplegia.
- (j) 'Claw hand'
- (k) Cock up splint.
- (l) Key points of control





**AUGUST - 2004**

**[KL 950]**

**Sub. Code : 5699**

**BACHELOR OF OCCUPATIONAL THERAPY  
DEGREE EXAMINATION.**

**Fifth/Sixth Semester**

**(Revised Regulation/Modified Regulation)**

**OCCUPATIONAL THERAPY IN ORTHOPAEDICS  
AND NEUROLOGY**

**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 diagrams wherever necessary.**

**I. Write essay on any TWO :                      (2 × 15 = 30)**

**(1) Describe the occupational therapy management during the acute, recovery and rehabilitative phases in a 25 year old male patient with traumatic brain injury.**

**(2) Describe the occupational therapy intervention for a 35 year old house wife with low back pain.**

**(3) Describe the prosthetic training programme for an above elbow amputee.**

**(4) Describe the mechanical principles for hand splinting.**

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

**(a) Complications of supra condylar fractures**

**(b) Occupational therapy intervention for a person in the later stages of muscular dystrophy**

**(c) Mobile arm support**

**(d) Incoordination**

**(e) Box and block test**

**(f) Types of attention**

**(g) Apraxia**

**(h) Clinical features in Parkinson's disease**

**(i) Recovery stages for arm and hand in brunnstroms movement therapy**

**(j) Right brain damage**

**(k) Sensory re-education**

**(l) Functional outcome in last innervated level C<sub>6</sub> spinal cord injury.**

**AUGUST - 2004**

**[KL 976]**

**Sub. Code : 5901**

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

**(New Modified Regulations)**

**Sixth Semester**

**Paper I — O.T. IN ORTHOPAEDICS AND  
NEUROLOGY**

**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 diagrams wherever necessary.**

**I. Essay : (any TWO)                      (2 × 15 = 30)**

**(1) What are the goals of preprosthetic training?  
Describe the components of above elbow prosthesis.**

**(2) Describe the occupational therapy  
intervention for a patient with head injury in stage 7  
and 8 in Rancho scale.**

**(3) Write the occupational therapy management  
for a patient with Parkinson's disease.**

**(4) Write the occupational therapy management  
for a 38 year old Engineer with C<sub>6</sub> C<sub>7</sub> incomplete  
spinal cord injury.**

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

**(a) Duchenne muscular dystrophy.**

**(b) Tenodesis splint.**

**(c) Energy conservation techniques.**

**(d) Facilitatory technique in Rood's approach.**

**(e) Treatment objectives for acute stroke.**

**(f) Desensitization.**

**(g) Orthostatic hypotension.**

**(h) Radial nerve palsy.**

**(i) Colles fracture.**

**(j) In co-ordination.**

**(k) Apraxia.**

**(l) Muscle reeducation.**