

[686]

BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION,
APRIL 1992.

Sixth Semester — New Regulations

Paper II — PHYSIOTHERAPY IN ORTHOPAEDICS

Time : Three hours. Maximum : 100 marks.

SECTION A — (3 × 20 = 60 marks)

Answer any THREE questions.

1. A 64 year old woman has sustained a fracture of the neck of right femur. State the many advantages of immediate surgery for a fracture neck of femur. Describe the role of the physiotherapist in the subsequent rehabilitation of this elderly woman with fracture of the neck of right femur.

2. Describe how conservative management with particular reference to physiotherapy, will help to alleviate symptoms and improve functional activities of a 60 year old housewife with osteoarthritis of right knee.

3. A 30 year old housewife has persistent back pain and sciatica resulting from prolapse of the L5-S1 intervertebral disc. She has refused surgery at this time and is referred for physiotherapy as an outpatient. Explain the ~~mean~~ and ~~symptoms~~.

Describe a suitable course of physiotherapy. Give reasons for your choice.

4. A 15 year old girl has had an above knee amputation following a motor cycle accident. Outline a progressive course of physiotherapy, giving aims at each stage resulting in the full rehabilitation of the patient. What psychological factors would need to be taken into consideration in planning a programme for this adolescent girl.

SECTION B — (5 × 8 = 40 marks)

Answer any FIVE questions.

5. Give a classification of burns. What are the main aims and means of physiotherapy following skin grafting for extensive burns of neck and both arms ?

6. What is the common displacement of the distal fragment of a supracondylar fracture of the humerus ?

List four complications specific to this fracture

State briefly the physiotherapeutic management of a 9 year old child with this fracture.

7. List down the various causes for foot drop. Give a brief account of physiotherapy which may be used when a tendon transfer operation is done to correct foot drop deformity in a patient with leprosy.

8. List down the deformities seen in paralysed lower limbs of polio children. What advice the physiotherapist could give to the mother of the polio child towards prevention of such deformities in the paralysed legs ?

9. What advice could a physiotherapist give to a young housewife with rheumatoid arthritis mainly affecting both hands ?

April-1992

10. Cervical spondylosis may result in pressure on various structures. List the signs and symptoms that would arise from pressure on the

(a) Sixth nerve root

(b) Spinal cord at the level of the sixth cervical vertebra.

Explain the use of a collar in these circumstances.

**Bachelor of Physiotherapy
Degree Examination**

Semester VI New Regulation

PHYSIOTHERAPY IN ORTHOPEDICS

Time : 3 hours

Max. marks : 100

Answer ALL Questions

All questions carry equal marks

1. Describe the physiotherapy assessment and management of an elderly individual with fracture neck of femur.
2. Discuss the common deformities seen in individual affected by Poliomyelitis and your approach in his long term rehabilitation.
3. Discuss your approach to a Leprosy patient with anesthetic lower extremity.
4. Discuss the pre and post operative physiotherapy management of a patient undergoing a below knee amputation due to a neurovascular problem.

April-1994

5. Write short notes on:

- a) Adhesive capsulitis
- b) Calcaneal spur
- c) Flat foot
- d) Home programme for a young patient with R.A.

November-1994

[ND 809]

**Bachelor of Physiotherapy
Degree Examination**

Sixth Semester

New Regulations and Transitory

Paper II - P.T. IN ORTHOPAEDICS

Time : Three hours

Maximum : 100 marks

Answer all Questions

All questions carry equal marks

- 1 Discuss the pathomechanics of the prolapsed intervertebral disc involving lumbo sacral junction. Discuss the physiotherapy management.
- 2 Discuss the physical therapy management of the crush injury hand.
- 3 Discuss your approach to a middle aged housewife suffering from Rheumatoid polyarthritis.
4. What are the various methods of mobilisation of soft tissues? How would you treat a patient with stiff shoulder.

5 Write short notes on any TWO :

- a) Sudeck's atrophy
- b) Spinal bracing
- c) Tarsal tunnel syndrome.

November-1995

[MB 925]

BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION.

(New Regulations and Transitory)

Sixth Semester

Paper II —P.T. III ORTHOPAEDICS

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

All questions carry equal marks.

1. Describe a detailed Physiotherapy assessment of Knee Joint and interpret your clinical findings for a clinical decision.
2. Compare continuous, sustained and intermittent Lumbar traction. How Hip joint at various positions changes the traction effect on Lumbar region? Support your answer with clinical examples.
3. Define Poliomyelitis and discuss the aims and techniques of physiotherapy assessment and management of poliomyelitis.
4. ---Discuss the role of electrical stimulation in a case of Hansen's (Leprosy) disease patient, who has paralysis of hand muscles. Describe pre-operative Physiotherapy for a patient having total claw hand.
5. Write short notes on any of the TWO :
 - (a) Pott's fracture.
 - (b) Non-Union.
 - (c) Pathological fracture.

[PK 914]

3. Write short notes on any FIVE of the following :
(5 × 4 = 20 marks)

- (a) Volkmann's ischaemic contracture.
- (b) Fracture of the metacarpal bones.
- (c) Assessment of a patient with hand dysfunction.
- (d) Myositis ossificans.
- (e) Tennis elbow.
- (f) Sprain of lateral ligament of ankle.

SECTION B — (50 marks)

4. Write an essay on any ONE of the following :
(1 × 14 = 14 marks)

(a) A 80 year old widower sustained a fracture to the neck of left femur in a road traffic accident. Hemiarthroplasty was done to this old man on the next day of injury. State the many advantages of immediate surgery for a fracture of the neck of femur. Describe the role of physiotherapy in the subsequent rehabilitation of this 80 year old man.

(b) List down the complications which may be associated with a dislocation of Gleno-humeral/shoulder joint. Suggest a reasoned programme of rehabilitation to an young foot-baller following a uncomplicated dislocation of the Gleno-humeral joint.

5. Write brief answers on any TWO of the following :
(2 × 8 = 16 marks)

(a) Write briefly the physiotherapy management of a patient with his fractured leg immobilised with skeletal traction.

(b) Write briefly the physiotherapy management of an housewife with fractured shaft of radius and ulna following surgical management.

(c) Write briefly the physiotherapy management for patellectomy in an young man.

[PK 914]

6. Write short notes on any FIVE of the following :
(5 × 4 = 20 marks)

- (a) Disc prolapse.
- (b) Dupuytren's contracture.
- (c) Crush injuries of the hand
- (d) Scoliosis.
- (e) Traumatic synovitis knee.
- (f) Rupture of tendo-achillis.

[MS 914]

**BACHELOR OF PHYSIOTHERAPY DEGREE
EXAMINATION.**

Sixth Semester

(New/Revised Regulations and Transitory)

Paper II — P.T. IN ORTHOPAEDICS

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 marks)
 - (a) Post immobilization physiotherapy in fracture neck of femur in a 60 year old man.
 - (b) Mechanism of Colle's fracture, its complications and physiotherapeutic management.

2. Write short notes on any SIX : (6 × 5 = 30 marks)
 - (a) Osteoarthritis knee
 - (b) Flat foot
 - (c) Genu recurvatum
 - (d) Rheumatoid hand
 - (e) Straight leg raising
 - (f) Fracture scaphoid
 - (g) Bicipital tendonitis
 - (h) Ankle sprain.

[MS 914]

SECTION B

3. Write an essay on any ONE of the following : (20 marks)
 - (a) Physiotherapeutic management in a lady having severe burns around neck, chest and shoulder.
 - (b) Physiotherapeutic management in recurrent dislocation of shoulder joint.

4. Write short notes on any SIX : (6 × 5 = 30)
 - (a) Torticollis
 - (b) Trigger finger
 - (c) Full thickness skin graft
 - (d) Subacromial bursitis
 - (e) Scoliosis
 - (f) Avulsion of tendoachilles
 - (g) Plantar fasciitis
 - (h) Myositis ossificans.

[SV 914]

Sub. Code : 5172/5176

**BACHELOR OF PHYSIOTHERAPY DEGREE
EXAMINATION.**

Sixth Semester

(New/Revised Regulations)

Paper II — P.T. IN ORTHOPAEDICS

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 marks)

(a) Give a comprehensive home care programme for a young female house wife with Rheumatoid Arthritis affecting both hands and both feet.

(b) Discuss the clinical features and management of tuberculosis of the Dorsilumbar spine with paraplegia in a young adult aged 20 years.

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

- (a) Tetanus.
- (b) Fat embolism.
- (c) Central Dislocation of Hip.
- (d) Biology of Fracture Healing.
- (e) Lumbar and cervical traction.
- (f) Symes amputation.
- (g) Foot Drop.
- (h) Scoliosis.

SECTION B

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

(a) Describe the pre operative care and post operative management of a young lady with total claw hand in right arm due to Leprosy who has undergone Reconstructive surgery of the deformed hand and fingers.

(b) Describe the pathological changes and resultant signs and symptoms of Ankylosing spondylitis. How the physiotherapist will help in the treatment of a young male Accountant who develops Ankylosing spondylitis?

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

- (a) Skeletal pin traction to Leg.
- (b) Spondylolisthesis.
- (c) Stress fracture metatarsal bone.
- (d) Care of the orthosis.
- (e) Compartment syndrome.
- (f) Disc prolapse.
- (g) Tennis elbow.
- (h) Sprain of lateral ligament of ankle.

[SM 914]

**BACHELOR OF PHYSIOTHERAPY DEGREE
EXAMINATION.**

Sixth Semester

(New/Revised Regulations and Transitory)

Paper II — P.T. IN ORTHOPAEDICS

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) Write down the indications for amputation and explain the physiotherapy care during pre and post prosthetic phase for a 50 year old man who had amputation below the knee on left leg due to vascular lesion.
 - (b) Explain the common deformities occur in poliomyelitis when the lower limbs are involved. Write briefly the role of physiotherapy after tendon transfer surgery for foot drop.
2. Write short notes on any SIX : (6 × 5 = 30)
 - (a) Peri-arthritis shoulder.
 - (b) Fibrositis Trapezius.
 - (c) Rheumatoid hand.
 - (d) Plantar ulcer.
 - (e) Scoliosis.
 - (f) Fracture of both bones forearm.
 - (g) Dupuytren's contracture.
 - (h) Splints.

SECTION B

3. Write an essay on any ONE of the following : (20)
 - (a) Explain the causes, signs and symptoms for intervertebral disc prolapse of the lumbar region, write briefly the physiotherapy management and home advice for this patient.
 - (b) A 65 year old man had fracture neck of femur and underwent replacement arthroplasty, write briefly the role of physiotherapy from the first day of operation till discharge.
4. Write short notes on any SIX : (6 × 5 = 30)
 - (a) Foot drop.
 - (b) Stump care.
 - (c) Fracture metatarsal head.
 - (d) Non-union.
 - (e) Burns and its classification
 - (f) Compartment syndrome.
 - (g) Bent knee prosthesis
 - (h) Osteoarthritis hip.

BACHELOR OF PHYSIOTHERAPY DEGREE
EXAMINATION.

Sixth Semester

(New/Revised Regulations and Transitory)

Paper II — P.T. IN ORTHOPAEDICS

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 diagnostic clinical features of Rheumatoid Arthritis.
 - (b) Describe the P.T. management of a chronic Rheumatoid arthritic patient stressing upon Home care.
 - (c) What do you understand by Frozen shoulder? Describe how would you regain movements in a case of frozen shoulder. Highlight automobilisation techniques for home management.
2. Write short notes on any SIX : (6 × 5 = 30)
 - (a) Trendelenburgh Test.
 - (b) Genu Recurvatum.
 - (c) Smith's fracture.
 - (d) Torticollis.
 - (e) Kernig's Sign.
 - (f) Post immobilisation complications.
 - (g) Cervical Spondylitis.
 - (h) Spondylolisthesis.

SECTION B

3. Write an essay on any ONE of the following : (20)
 - (a) Physiotherapeutic assessment and management in case of PIVD L₄ L₅.
 - (b) Mechanism of fracture patella, its complications and P.T. management.
4. Write short notes on any SIX : (6 × 5 = 30)
 - (a) Lordosis.
 - (b) Dupuyris contracture.
 - (c) Trigger finger.
 - (d) Straight leg raise Test.
 - (e) Fraction of Orthosis.
 - (f) P.T.B. Prosthesis.
 - (g) Cerebral palsy – Types.
 - (h) Degrees of burns.