

[KD 922]

Sub. Code : 5177

**BACHELOR OF PHYSIOTHERAPY DEGREE
EXAMINATION.**

Sixth Semester/Eighth Semester

(Revised/Transitory/Modified Regulations)

Paper II — P.T. IN ORTHOPAEDICS

Time : Three hours

Maximum : 100 marks

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

(a) An young adult sustained fracture of both bones of Rt lower leg (TIBIA and FIBULA) and was managed conservatively. Describe the P.T. management during immobilisation. When immobilisation is removed and mobilisation allowed.

(b) A 45 year old housewife developed intervertebral disc prolapse at the level of L₅ and S₁, she has refused surgery; List down the P.T. aims and discuss the P.T. techniques for this women with disc lesion towards relief of neurological symptoms.

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

- (a) Tuberculosis of spine.
- (b) Dupeytre's contracture.
- (c) Recurrent dislocation of patella.
- (d) Fracture head of radius.

- (e) Potts fracture.
- (f) Fracture of metatarsal/march fracture.
- (g) Ankylosing spondylitis.
- (h) Shoulder hand syndrome.

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

(a) Outline PT assessment of 40 year old woman with Rheumatoid arthritis; List down the deformities met with rheumatoid hands; Describe the P.T. management of an young housewife with Rheumatoid arthritis badly affecting her both hands during the Chronic Stage.

(b) Review the common deformities seen in leprosy patients. Describe the surgical correction of deformities in leprosy. Give a brief outline on care of anaesthetic limbs.

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

(a) Relevant first aid measures to be offered to patients with burns.

(b) Check out orthosis and care of orthosis in polio children.

(c) Postural abnormalities affecting the spine.

- (d) Rupture of Tendo-Achillus.
- (e) Hand and Foot Splints out of POP.
- (f) Lower limb prostheses.
- (g) Fibromyositis.
- (h) Teno-synovitis.

[KE 922]

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BACHELOR OF PHYSIOTHERAPY
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Sixth/Eighth Semester

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Paper II — P.T. IN ORTHOPAEDICS
(PHYSIOTHERAPY FOR ORTHOPAEDIC
CONDITIONS)

Time : Three hours

Maximum : 100 marks

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

(a) Describe the clinical features and P.T. management of "Bamboo Spine".

(b) Write the indication and principles of Amputations. Describe the P.T. Management and training of before and after prosthetic fitting.

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

(a) Torticollis

(b) Complications and P.T. Management of supracondylar fracture

(c) Fracture complication and management

(d) Antalgic gait

(e) P.T. Management of Burns

(f) Tripod sign

(g) Periarthritis

(h) Bursitis.

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

(a) Describe the types and degrees of Burns. Discuss in detail the Burns REHABILITATIONS.

(b) Describe the physiotherapeutic management of ANTERIOR POLIO-MYELITIS.

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

(a) Lumbo sacral corset

(b) P.T. Management during orthopaedic traction

(c) Orthopaedic surgical complications and its management

(d) Skin grafting

(e) P.T. management of Leprosy

(f) Management of Poly arthritis

(g) Advantages and disadvantages of upper and lower limb orthoses

(h) Patella Fracture.

March-2002

[RG 522]

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Paper II — P.T. IN ORTHOPAEDICS
(PHYSIOTHERAPY FOR ORTHOPAEDIC
CONDITIONS)

Time : Three hours

Maximum : 100 marks

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

(a) Define Colles fracture. Describe the management in a 40 yr old lady with Colles fracture. What are the various complications following Colles fracture?

(b) Classify Intracapsular fracture of head of femur. Describe management in a 60 yr old lady with subcapitate fracture of head of femur.

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

(6 × 5 = 30)

(a) How do you measure various parameters of a scoliotic curve?

(b) Explain rationale of any two electrotherapy modalities in chronic periarthrititis of shoulder.

- (c) Describe the management of trigger finger.
- (d) Describe various parameters of an ideal stump following amputation.
- (e) What is claw hand; describe certain splints + prevent clawing?
- (f) Describe a regimen of treatment immediately following an acute intervertebral disc prolapse.
- (g) How do you prevent contractures in a Burns patient?
- (h) Describe P.T. role in convalescent stage of Poliomyelitis.

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

(a) Give five reasons for development of osteoarthritis. Describe management in a 50 yr old woman with bilateral osteoarthritis.

(b) Describe long-term management in a 20 yr old male suffering from ankylosing spondylitis.

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

(a) What is true Quadriceps lag? How do you re-educate this condition?

(b) Describe five complications of a fracture.

(c) How do you rehabilitate a patient recurrent ankle sprain?

(d) Describe the principle and functions of Milwaukee brace.

(e) Describe management in a case of Volkmann-Ischaemic Contracture.

(f) Describe care of an anesthetic foot.

(g) Describe a home program for a patient with cervical spondylosis and add a note on care to be taken.

(h) List common deformities in lower limb poliomyelitis and give general preventive measures.

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(PHYSIOTHERAPY FOR ORTHOPAEDIC
CONDITIONS)

Time : Three hours

Maximum : 100 marks

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

(a) Define Lumbar Spondylolisthesis. Discuss in detail the long term rehabilitation of 55 year old man with L4-5 spondylolisthesis.

(b) Classify the different types of shoulder dislocation. Discuss the post operative physiotherapy management of a patient with anterior dislocation of shoulder.

Write short note on any SIX of the following :

(6 × 5 = 30)

(a) Wrist Drop

(b) Cervical Spondylosis – PT management

(c) Carpel Tunnel syndrome

(d) Types of Leprosy

(e) Clinical presentation of L5-S1 disc prolapse —

(f) Prosthetic training for below knee amputee

(g) Physiotherapy management following patellectomy.

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

(a) Discuss the causes and clinical features of lumbar spondylosis. Give ergonomical advice to a 45 year old post menopausal house wife based on biomechanical principles.

(b) Define Osteoarthritis. Discuss the clinical feature and physiotherapy management of Osteoarthritis.

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

(a) Claw hand

(b) Home programme for a 40 year old lady with frozen shoulder.

(c) PT management of Stiff hand

(d) Foot drop

(e) Plantar Fascitis

(f) Colle's fracture

(g) Supra spinatus Tendinitis.

[KI 922]

April-2003

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Paper II — P.T. IN ORTHOPAEDICS
(PHYSIOTHERAPY FOR ORTHOPAEDIC
CONDITIONS)

Time : Three hours

Maximum : 100 marks

SECTION A

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

(a) Plan out the P.T. programme for flexion contracture of knee.

(b) Plan out the PT programme for Low Back Pain due to Disc Prolapse.

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

(6 × 5 = 30)

(a) Postural Hypotension

(b) Lordosis

- (c) Osteoporosis
- (d) Deep vein thrombosis
- (e) Stimulation under pressure
- (f) Paradox respiration
- (g) Quadriceps lag
- (h) Arthroplasty.

- (c) Thomas test
- (d) Panthom hornia
- (e) Isometric neck muscle exerci
- (f) Brachialgia
- (g) Golfer's elbow
- (h) Plantar fascitis.

SECTION B

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

(a) Planout PT programme for immobile patient due to T₆ paraplegia.

(b) Define fracture. Discuss the sign symptoms complications and physiotherapy management of fracture both bones of leg.

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

(a) Burger's exercises

(b) Genurecurvatom

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CONDITIONS)

Time : Three hours Maximum : 100 marks

Theory : Two hours and forty Theory : 80 marks
minutes

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 M.C.Q. Booklet.

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay questions : (2 × 15 = 30)

1. Describe the physiotherapeutic management of
ankylosing spondylitis.

2. Write about the goals and treatment by
physiotherapy for a 20 years old woman admitted in the
ward with burns on the neck, chest and shoulders.

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

(a) Intermittent mechanical cervical traction.

(b) Colles' fracture.

(c) Physiotherapy after patellectomy.

(d) Thoracic kyphosis.

(e) Intervertebral disc prolapse.

(f) De Quervain's disease.

(g) Retrocalcaneal bursitis.

(h) Myofascial trigger points.

(i) Stump exercises before prosthetic fitting.

(j) Trophic ulcers in leprosy.

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Paper II — P.T. IN ORTHOPAEDICS
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CONDITIONS)

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

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay : (2 × 15 = 30)

(1) Describe the assessment and management of
a case of 10 year old polio girl with secondary scoliosis.

(2) Write down the physiotherapy management
and home programme for a 30 year woman with
intervertebral disc prolapse.

II. Short notes :

(10 × 5 = 50)

- (a) Cervical traction.
- (b) Sprain and Strain management.
- (c) Pott's fracture.
- (d) Dupuytren's contracture.
- (e) Advantages of upper and lower spinal
orthoses.
- (f) Frozen shoulder.
- (g) Below knee prosthesis.
- (h) Torticollis.
- (i) Degrees of burns.
- (j) Motor function assessment.