

THE TAMIL NADU Dr.M.G.R. MEDICAL UNIVERSITY

[BPT 0122]

**JANUARY 2022
(AUGUST 2021 EXAM SESSION)**

Sub. Code: 6290

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
FOURTH YEAR- (Regulation from 2017-2018 onwards)
PAPER IV – REHABILITATION MEDICINE
*Q.P. Code : 746290***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Demonstrate methods of evaluation for physical dysfunction and management of disabilities for muscular dystrophy.
2. Explain the principals involved in prescribing orthotic devices for different parts of the body & outline the purpose of each type and list major indications and contraindication.

II. Write notes on:

(10 x 5 = 50)

1. Post-polio syndrome.
2. Co-ordination exercises.
3. Myoelectric hand.
4. Rheumatoid hand deformities.
5. Cardio pulmonary changes in the elderly.
6. Syme's prosthesis.
7. Rehabilitation nurse.
8. Various Sockets for a below knee stump.
9. Postural drainage.
10. Re-education following tendon transfer surgery.

III. Short answers on:

(10 x 2 = 20)

1. SACH foot.
2. Dysarthria.
3. Gower's sign.
4. Repetition Maximum (RM).
5. Modified Ashworth scale.
6. Ape thumb deformity.
7. Phantom limb pain.
8. Four-point Gait.
9. Postural changes in elderly.
10. Intrinsic minus deformity.

THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

[BPT 0622]

**JUNE 2022
(FEBRUARY 2022 EXAM SESSION)**

Sub. Code: 6290

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
FOURTH YEAR- (Regulation from 2017-2018 onwards)
PAPER IV – REHABILITATION MEDICINE
*Q.P. Code : 746290***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe the rehabilitation process for a person with right hemiplegia secondary to cerebrovascular haemorrhage.
2. Identify communication problems, classify these and outline principles of treatment.

II. Write notes on:

(10 x 5 = 50)

1. Rehabilitation of a lower limb fracture patient.
2. Mobility aids used in rehabilitation.
3. Geriatric rehabilitation for osteoarthritis.
4. Rehabilitation of weak muscles and exercise regime.
5. Role of physiotherapist in stroke rehabilitation.
6. Common behavioural problems and management.
7. Types of wheel chair.
8. Prosthetic upper limb.
9. What is total claw hand? Describe the orthotic management of claw hand?
10. Describe strength duration curve and its significance.

III. Short answers on:

(10 x 2 = 20)

1. Rehabilitation workers.
2. Frenkel's exercise in rehabilitation.
3. Global aphasia.
4. Define stroke.
5. Types of crutches used in rehabilitation.
6. Immediate post operative prosthetic fitting.
7. Taylors brace.
8. Community based rehabilitation.
9. Vocational rehabilitation.
10. Architectural barriers.

THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

[BPT 1022]

**OCTOBER 2022
(AUGUST 2022 EXAM SESSION)**

Sub. Code: 6290

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
FOURTH YEAR- (Regulation from 2017-2018 onwards)
PAPER IV – REHABILITATION MEDICINE
Q.P. Code : 746290**

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on: (2 x 15 = 30)

1. Discuss methods and term involved in pre-vocational evaluation and training.
2. Describe architectural barriers and possible modifications with reference to disabling conditions.

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

1. Rehabilitation of a cardiac surgery patient.
2. Disability evaluation in cardiorespiratory patient.
3. Types of mobility aids and uses.
4. Rehabilitation of cerebral palsy.
5. Role of occupational therapist in high level quadriplegia.
6. Evaluation of physical dysfunction in adult spastic diplegia.
7. Myofascial pain syndrome & management.
8. Describe types of artificial lower limbs and their functions.
9. Home rehabilitation in cerebro vascular accident.
10. Social implications of disability for the individual with peripheral nerve lesion secondary to leprosy.

III. Short answers on: (10 x 2 = 20)

1. Define vocational counsellor and role in rehabilitation.
2. Balance training in rehabilitation.
3. Define cerebral palsy.
4. Define stroke in young.
5. Arch supports in rehabilitation of foot conditions.
6. Pain gate Theory.
7. Jones fracture.
8. Define disability.
9. Define handicapped.
10. Role of physiotherapist in rehabilitation team.

THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

[BPT 0423]

**APRIL 2023
(FEBRUARY 2023 EXAM SESSION)**

Sub. Code: 6290

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
FOURTH YEAR - (Regulation from 2017-2018 onwards)
PAPER IV – REHABILITATION MEDICINE**

Q.P. Code: 746290

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the deleterious effects of prolonged inactivity and bed rest on the body system.
2. Rehabilitation of a 40-year-old right handed, male, school teacher with recent right hemiparesis.

II. Write notes on:

(10 x 5 = 50)

1. Impairment, Disability, Handicap.
2. Female social worker.
3. Intrinsic foot muscle exercise.
4. Sheltered workshop.
5. Supraspinatus Tendinitis.
6. Hearing aids in communication.
7. Residual Post-Polio Syndrome.
8. Rehabilitation Golfer's Elbow.
9. Duchene muscular dystrophy.
10. What is pressure sore? Describe the grading and management principles.

III. Short answers on:

(10 x 2 = 20)

1. Rigidity and spasticity.
2. List four features of meningitis.
3. List four features of cerebellar disease.
4. What is straight leg raising test and its significance?
5. Painful arc syndrome.
6. Rheumatoid hand.
7. What is body mass index? Its clinical significance.
8. Visual analogue scale.
9. Aerobic capacity and endurance.
10. Buerger's exercise.

THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

[BPT 1123]

**NOVEMBER 2023
(AUGUST 2023 EXAM SESSION)**

Sub. Code: 6290

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
FOURTH YEAR - (Regulation from 2017-2018 onwards)
PAPER IV – REHABILITATION MEDICINE**

Q.P. Code: 746290

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the teamwork involved in rehabilitation, briefly explaining the role of each team member.
2. Demonstrate methods of evaluation for physical dysfunction and management of disabilities for Spinal cord injury.

II. Write notes on:

(10 x 5 = 50)

1. Carpal Tunnel Syndrome.
2. Architectural barriers.
3. Features of an ideal transtibial residual limb.
4. SOMI Brace.
5. Medical Social Worker (MSW).
6. Occupational therapist.
7. Knee Ankle Foot Orthosis (KAFO).
8. Terminal devices of upper limb prosthesis.
9. Modified Asworth Scale.
10. Community Based Rehabilitation.

III. Short answers on:

(10 x 2 = 20)

1. Interdisciplinary team.
2. Broca's aphasia.
3. Features of a CTEV Boot.
4. Ankle Foot Orthosis.
5. Philadelphia Cervical collar.
6. Taylors brace.
7. Tinel's sign.
8. Jaipur foot.
9. Phantom limb pain.
10. Apraxia.

THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

[BPT 0824]

AUGUST 2024

Sub. Code: 6290

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
FOURTH YEAR - (Regulation from 2017-2018 onwards)
PAPER IV – REHABILITATION MEDICINE**

Q.P. Code: 746290

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the etiology, clinical features, investigations and rehabilitation measures of a 3 years old child suffering from Duchenne muscular dystrophy.
2. Discuss the clinical features, various hand deformities, diagnosis and management of Rheumatoid arthritis.

II. Write notes on:

(10 x 5 = 50)

1. Community Based Rehabilitation.
2. Four- poster collar.
3. Post polio syndrome.
4. Taylor's brace.
5. Phantom limb pain.
6. Causes for cerebral palsy.
7. Syme's prosthesis.
8. Medical Social Worker.
9. Conus medullaris lesion.
10. Falls in the elderly.

III. Short answers on:

(10 x 2 = 20)

1. Cervical collar.
2. Madras foot.
3. Froment's sign.
4. Osteoarthritis knee.
5. Components of a wheel chair.
6. Dysarthria.
7. Trigger point.
8. Tennis elbow.
9. Virchow's triad.
10. Finkelstein's test.

THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

[BPT 0225]

FEBRUARY 2025

Sub. Code: 6290

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
FOURTH YEAR - (Regulation from 2017-2018 onwards)
PAPER IV – REHABILITATION MEDICINE**

Q.P. Code: 746290

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe the physiology of micturition. Outline the causes, clinical features and management of neurogenic bladder dysfunction.
2. Describe the physiological changes that occur with aging. Explain the causes of falls and measures to prevent falls in the elderly.

II. Write notes on:

(10 x 5 = 50)

1. ASIA grading of spinal cord injury.
2. Postural hypotension.
3. Terminal devices for upper limb prosthesis.
4. Role of physiotherapist in rehabilitation team.
5. Gait training in patient with right above knee prosthesis.
6. Club foot boot.
7. Interferential therapy.
8. Environmental barriers.
9. What is total claw hand? Describe the orthotic management of claw hand.
10. Thoracolumbosacral orthoses (TLSOs).

III. Short answers on:

(10 x 2 = 20)

1. Dermatomes of upper limb.
2. Upper motor neuron.
3. Classification of spinal cord tumors.
4. Thenar muscles.
5. D-dimer.
6. End feel.
7. Causes of wrist drop.
8. Cervical collar.
9. Boutonniere deformity.
10. List four features of cerebellar disease.

THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

[BPT 0825]

AUGUST 2025

Sub. Code: 6290

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
FOURTH YEAR - (Regulation from 2017-2018 onwards)
PAPER IV – REHABILITATION MEDICINE**

Q.P. Code: 746290

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe the rehabilitation of a 30 year old male with traumatic D8 paraplegia.
2. Outline the architectural barriers likely to be faced by a wheelchair dependent housewife and explain the modifications that can be made.

II. Write notes on:

(10 x 5 = 50)

1. Myoelectric hand.
2. Deep vein thrombosis.
3. Wrist drop.
4. Tardy Ulnar Palsy.
5. Osteoarthritis of the Knee.
6. Community Based Rehabilitation.
7. SOMI Brace.
8. Medical Social Worker (MSW).
9. Opponens splint.
10. Erb's Palsy.

III. Short answers on:

(10 x 2 = 20)

1. Phantom limb pain.
2. Four point gait.
3. Intrinsic minus deformity.
4. Broca's Aphasia.
5. Seddon's classification of nerve injury.
6. Functional position of hand.
7. Parallel bars.
8. Modified Ashworth scale.
9. Ape thumb deformity.
10. Babinski sign.

THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

[BPT 0226]

FEBRUARY 2026

Sub. Code: 6290

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
FOURTH YEAR - (Regulation from 2017-2018 onwards)
PAPER IV – REHABILITATION MEDICINE**

Q.P. Code: 746290

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Define the term ‘Scoliosis’. How will you classify Scoliosis? Discuss in detail the assessment, bracing, therapeutic exercises for a child with Infantile Idiopathic Scoliosis.
2. Define the term “Rehabilitation”. Enumerate the member of the rehabilitation team. Briefly describe the roles and responsibilities of each team member.

II. Write notes on:

(10 x 5 = 50)

1. Hip Knee Ankle Foot Orthosis.
2. Co-ordination exercises.
3. Architectural barriers.
4. Ulnar paradox.
5. Rheumatoid hand deformities.
6. DeLorme Progressive Resistance Exercise.
7. Causes for Cerebral palsy.
8. Syme’s prosthesis.
9. Floor Reaction Orthosis.
10. Automatic bladder.

III. Short answers on:

(10 x 2 = 20)

1. Grading of pressure sore.
2. Intrinsic minus deformity.
3. Cervical collar.
4. Froment’s sign.
5. SACH foot.
6. Functions of Hand.
7. Foot drop.
8. Various levels of amputation in the lower limb.
9. Tinel’s sign.
10. Jaipur foot.
