

August 2011

[KZ 6268]

Sub. Code : 6268

BACHELOR OF PHYSIOTHERAPY EXAMINATION

**FOURTH YEAR / EIGHTH SEMESTER
REHABILITATION MEDICINE INCLUDING GERIATRIC
REHABILITATION**

Q.P. Code : 746268

Time : Three hours

Maximum : 100 marks

ANSWER ALL QUESTIONS

I. LONG ESSAYS

(2X20=40)

1. Describe the rehabilitation process for a person with traumatic tetraplegia at C4 level.
2. How will you rehabilitate a college student who has become traumatic bilateral below knee amputee?

II. SHORT NOTES

(8X5=40)

1. Post polio syndrome.
2. Co-ordination exercises.
3. Cardio pulmonary changes in the elderly.
4. Syme's prosthesis.
5. Occupational therapist.
6. Rheumatoid hand deformities.
7. Four- poster collar.
8. Myoelectric hand.

III. SHORT ANSWERS

(10X2=20)

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

February 2012

[LA 6268]

Sub. Code: 6268

BACHELOR OF PHYSIOTHERAPY EXAMINATION

**FOURTH YEAR / EIGHTH SEMESTER
REHABILITATION MEDICINE INCLUDING GERIATRIC
REHABILITATION**

Q.P. Code : 746268

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on: **(2X20=40)**

1. Describe the etio-pathology and clinical features of Parkinson's disease.
Describe the rehabilitation of a patient with Parkinson's disease.
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: **(8X5=40)**

1. Deep vein thrombosis.
2. Circle of Willis.
3. Postural Hypotension.
4. Wrist drop.
5. Dementia.
6. Muscle tone.
7. Connections of the Cerebellum.
8. Trigeminal Neuralgia.

III. Short Answers: **(10X2=20)**

1. Features of lower motor neuron paralysis.
2. Dermatomes of upper limb.
3. Grades of spasticity.
4. Neural pathway of Knee jerk.
5. Motor supply of Median Nerve.
6. Transient Ishaemic attack.
7. Moros reflex.
8. Extra-ocular muscles of the eye.
9. Circumduction gait.
10. Anal reflex.

[LB 6268]

AUGUST 2012

Sub. Code: 6268

**FOURTH YEAR / EIGHTH SEMESTER BPT EXAM
REHABILITATION MEDICINE INCLUDING GERIATRIC
REHABILITATION**

Q.P. Code: 746268

Time: Three Hours

Maximum: 100 marks

(180 Min) Answer ALL questions in the same order.

I. Elaborate on:

**Pages Time Marks
(Max.)(Max.)(Max.)**

- | | | | |
|---|----|----|----|
| 1. Describe the rehabilitation protocol for a patient who has undergone a right Total Hip Replacement. Write out a home program for this patient. | 19 | 33 | 20 |
| 2. List the potential complications, methods of prevention and management of these complications, in a patient with a T10 paraplegia. | 19 | 33 | 20 |

II. Write notes on:

- | | | | |
|--------------------------------|---|---|---|
| 1. Osteoarthritis of the knee. | 3 | 8 | 5 |
| 2. Carpal Tunnel Syndrome. | 3 | 8 | 5 |
| 3. Bells Palsy. | 3 | 8 | 5 |
| 4. Opponens splint. | 3 | 8 | 5 |
| 5. Foot drop. | 3 | 8 | 5 |
| 6. CTEV (Club Foot). | 3 | 8 | 5 |
| 7. Claw hand. | 3 | 8 | 5 |
| 8. Painful arc syndrome. | 3 | 8 | 5 |

III. Short Answers:

- | | | | |
|--|---|---|---|
| 1. Festinant Gait. | 1 | 5 | 2 |
| 2. MRC Grading of Muscle Power. | 1 | 5 | 2 |
| 3. Name the thenar muscles and their nerve supply. | 1 | 5 | 2 |
| 4. Dysdiadochokinesia. | 1 | 5 | 2 |
| 5. Grading of pressure sores. | 1 | 5 | 2 |
| 6. Features of Upper Motor Neuron lesions. | 1 | 5 | 2 |
| 7. Basal Ganglia. | 1 | 5 | 2 |
| 8. Waddling gait. | 1 | 5 | 2 |
| 9. Gowers sign. | 1 | 5 | 2 |
| 10. Grading of spasticity. | 1 | 5 | 2 |

[LC 6268]

FEBRUARY 2013

Sub. Code: 6268

**FOURTH YEAR / EIGHTH SEMESTER BPT EXAM
REHABILITATION MEDICINE INCLUDING GERIATRIC
REHABILITATION**

Q.P. Code : 746268

**Time: Three Hours
(180 Min)**

Maximum: 100 marks

I. Elaborate on:

(2X20=40)

1. How will you rehabilitate a 40 years old executive who has become right side hemiplegia?
2. Define the Geriatric age group. What are the physiological changes that occur in the various systems of the geriatric population? Mention the common impairments of this age group and the management.

II. Write Notes on:

(8X5=40)

1. Architectural barriers.
2. Knee Ankle Foot Orthosis (KAFO).
3. Terminal devices of upper limb prosthesis.
4. Features of an ideal trans tibial residual limb.
5. Community Based Rehabilitation.
6. SOMI Brace.
7. Deep vein thrombosis.
8. Medical Social Worker (MSW).

III. Short Answers:

(10X2=20)

1. Stubby prosthesis.
2. MCR chappal.
3. Grading of pressure ulcer.
4. Walker.
5. Congenital Talipes Equino Varus (CTEV) deformity.
6. Components of wheel chair.
7. Cerebral palsy types.
8. Various levels of amputation in the upper limb.
9. Gower's sign.
10. Risk factors for stroke.

[LD 6268]

AUGUST 2013

Sub. Code: 6268

**FOURTH YEAR / EIGHTH SEMESTER BPT EXAM
REHABILITATION MEDICINE INCLUDING GERIATRIC
REHABILITATION**

Q.P. Code : 746268

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X20=40)

1. Outline the architectural barriers likely to be faced by a wheelchair dependant housewife and explain the modifications that can be made.
2. Describe the rehabilitation of a 21 year old male with bilateral transfemoral amputation.

II. Write Notes on:

(8X5=40)

1. Carpal Tunnel Syndrome
2. Trophic Ulcer
3. Postural Hypotension
4. Stump Care
5. Bells Palsy
6. Fracture disease
7. Wrist drop
8. Opponens splint

III. Short Answer:

(10X2=20)

1. Define 'impairment' and 'disability'
2. Motor supply of Median Nerve
3. Name four entrapment neuropathies
4. Grading of pressure sores
5. Features of Upper Motor Neuron lesions
6. Transient Ishaemic attack.
7. Carpal Bones
8. Basal Ganglia
9. Moros reflex
10. March fracture.

[LE 6268]

FEBRUARY 2014

Sub. Code: 6268

**FOURTH YEAR / EIGHTH SEMESTER BPT EXAM
REHABILITATION MEDICINE INCLUDING GERIATRIC
REHABILITATION**

Q.P. Code : 746268

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X20=40)

1. List the complications of prolonged bed rest and explain the measures to be taken to prevent them.
2. List the risk factors for Stroke. Explain the rehabilitation of a 40 years old teacher with a Left hemisphere MCA territory infarct.

II. Write Notes on:

(8X5=40)

1. Dementia.
2. Erbs Palsy
3. Foot drop
4. Trophic Ulcer
5. Connections of the Cerebellum
6. Aphasia
7. Claw hand
8. PTB Prosthesis.

III. Short Answer:

(10X2=20)

1. Festinant Gait.
2. Features of lower motor neuron paralysis.
3. Dermatomes of upper limb
4. Swan neck deformity
5. MRC Grading of muscle Power.
6. Grades of spasticity
7. Cobb's angle.
8. Name the thenar muscles and their nerve supply.
9. Dysdiadochokinesia.
10. Neural pathway of Knee jerk.

[LF 6268]

AUGUST 2014

Sub. Code: 6268

**FOURTH YEAR/EIGHTH SEMESTER BPT EXAM
REHABILITATION MEDICINE INCLUDING
GERIATRIC MEDICINE**

Q.P. Code : 746268

Time: Three hours

Maximum: 100 marks

I. Elaborate on:

(2X20=40)

1. How will you rehabilitate a 20 years old college student who has sustained Traumatic Brain Injury (TBI)?
2. How will you rehabilitate a school teacher who has become a bilateral trans tibial amputee?

II. Write Notes on:

(8X5=40)

1. Osteoporosis
2. Clinical Psychologist
3. Philadelphia Collar
4. Various Sockets for a below knee stump
5. Postural drainage
6. Reeducation following tendon transfer surgery
7. Blood supply to the brain
8. Myo fascial pain syndrome

III. Short Answer:

(10X2=20)

1. Madras foot
2. Dysarthria
3. Gower's sign
4. Repetition Maximum (RM)
5. Jaipur foot
6. Phantom limb pain
7. Four point gait
8. Postural changes in elderly
9. Intrinsic minus deformity
10. Broca's Aphasia

[LG 6268]

FEBRUARY 2015

Sub. Code: 6268

**FOURTH YEAR/EIGHTH SEMESTER BPT EXAM
REHABILITATION MEDICINE INCLUDING
GERIATRIC MEDICINE**

Q.P. Code : 746268

Time: Three hours

Maximum: 100 marks

I. Elaborate on:

(2 x 20 = 40)

1. How will you rehabilitate a 40 year old farmer, 8 months back sustained right above knee amputation and left below knee amputation due to road traffic accident?
2. Describe the rehabilitation program for a 20 year old computer programmer with traumatic C7 complete Tetraplegia.

II. Write notes on:

(8 x 5 = 40)

1. Various approaches for delivery of rehabilitation care
2. Milwaukee brace
3. Tennis elbow
4. Syme's prosthesis
5. Exercise Tolerance Testing
6. Theories of pain
7. Musculoskeletal changes that occur with aging
8. Rehabilitation nurse

III. Short answers on:

(10 x 2 = 20)

1. Seddon's classification of nerve injury
2. Functional position of hand
3. Parallel bars
4. Phantom limb sensation
5. Tonic neck reflex
6. Measurement of elbow crutch
7. Modified Ashworth scale
8. Ape thumb deformity
9. Name any four complications of Stroke
10. Define and classify Lymphedema

[LH 6268]

AUGUST 2015

Sub. Code: 6268

B.P.T. DEGREE EXAMINATION

FOURTH YEAR

**PAPER V – REHABILITATION MEDICINE INCLUDING
GERIATRIC MEDICINE**

Q.P. Code: 746268

Time : Three Hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 20 = 40)

1. Discuss the deleterious effects of prolonged inactivity and bed rest on the body system.
2. How will you rehabilitate a 35 year old right handed female school teacher with recent right hemiplegia?

II. Write notes on:

(8 x 5 = 40)

1. Neurogenic bladder.
2. Hand deformities in Rheumatoid arthritis.
3. Pathological gait.
4. Ankle foot orthosis.
5. Define Activities of Daily Living (ADL) and describe various ADLs.
6. Below elbow prosthesis.
7. Proprioceptive Neuromuscular Facilitation (PNF) techniques.
8. Speech pathologist.

III. Short Answers on:

(10 x 2 = 20)

1. Name any four neonatal reflexes.
2. Name any four prosthetic foot pieces.
3. Swan neck deformity.
4. Trigger finger.
5. Measurement of axillary crutch.
6. Tardy Ulnar nerve palsy.
7. Babinski's sign.
8. Hallux valgus.
9. VO₂ max.
10. Types of breathing exercise.

[LI 6268]

FEBRUARY 2016

Sub. Code: 6268

**FOURTH YEAR BPT EXAMINATION
PAPER V - REHABILITATION MEDICINE INCLUDING
GERIATRIC MEDICINE**

Q.P. Code : 746268

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. How will you Rehabilitate a Spastic Diplegic child? Briefly write on developmental milestones.
2. How will you Rehabilitate 40 yrs old lady with Rheumatoid Arthritis? Briefly write on adaptive devices to Rheumatoid hand.

II. Write notes on:

(8 x 5 = 40)

1. Female social worker.
2. Sheltered workshop.
3. Supraspinatus Tendinitis.
4. Post Polio Syndrome.
5. Hearing AIDS.
6. Golfer's Elbow.
7. Duchenne muscular dystrophy.
8. Intrinsic foot muscle exercise.

III. Short answers on:

(10 x 2 = 20)

1. Foot drop splint.
2. Intrinsic plus deformity.
3. MCR insole.
4. Overhead Pulley.
5. Gate control theory.
6. Ulnar drifting.
7. TENS Therapy.
8. Myositis Ossificans.
9. Tinel's sign.
10. Cosmetic Gloves.

[LJ 6268]

AUGUST 2016

Sub. Code: 6268

**FOURTH YEAR BPT EXAMINATION
PAPER V - REHABILITATION MEDICINE INCLUDING
GERIATRIC MEDICINE**

Q.P. Code : 746268

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Enumerate the Rehabilitation problems encountered in a 65 year male with left sided Cerebro Vascular Accident of brain and describe its management.
2. Briefly discuss the various causes of low back pain and describe the Rehabilitation strategies for a L4-L5 Disc prolapse with root impingement.

II. Write notes on:

(8 x 5 = 40)

1. Impairment, Disability, Handicap.
2. Rehabilitation team.
3. Fibromyalgia.
4. Enumerate causes of Amputation and discuss the principles of stump care.
5. Pressure ulcers.
6. Neurogenic bladder.
7. Complex regional pain syndrome.
8. Vestibular Rehabilitation.

III. Short answers on:

(10 x 2 = 20)

1. List 4 features of lower motor diseases.
2. What are chorea and athetosis?
3. What is Volkman's ischemic sign and its significance?
4. What is genu recurvatum and give one cause of the condition?
5. Medical Research Council Grading of muscle strength.
6. What is Trendelenberg's gait? Name the muscle affected in this abnormal gait.
7. What are Neuropraxia and Axonotemesis?
8. What is coccydynia? List out one cause for its occurrence.
9. Stride length and step length of gait.
10. Which major nerve is involved in Crutch Palsy? How will you take measurement for an Axillary crutch?

[LK 6268]

FEBRUARY 2017

Sub. Code: 6268

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER V - REHABILITATION MEDICINE INCLUDING
GERIATRIC MEDICINE**

Q.P. Code : 746268

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 20 = 40)**

1. Define Cardiac Rehabilitation and discuss in detail.
2. How will you Rehabilitate 70 yrs old male patient with Periarthritis right shoulder and discuss about geriatric Rehabilitation?

II. Write notes on: **(8 x 5 = 40)**

1. Pressure sore.
2. Weight relieving caliper.
3. Components of wheel chair.
4. Visual aids.
5. Pain pathways.
6. Tennis elbow.
7. Community based Rehabilitation.
8. Interferential therapy.

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

1. Cervical collar.
2. Boutonniere deformity.
3. MCP insole.
4. CTEV boot.
5. Motor point.
6. Aeroplane splint.
7. Adherent scar.
8. Rice therapy.
9. Carpal tunnel syndrome.
10. Flat foot.

[LL 6268]

AUGUST 2017

Sub. Code: 6268

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER V- REHABILITATION MEDICINE INCLUDING
GERIATRIC MEDICINE**

Q.P. Code : 746268

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. What are the physiological changes occur due to ageing, briefly enumerate the medical problems that are common and describe the Rehabilitation strategies for them?
2. Define Rehabilitation. What are the team concepts in the management? Discuss the role of the each member of the team.

II. Write notes on:

(8 x 5 = 40)

1. Environmental barriers.
2. Define gait, and enumerate pathological gaits.
3. Ideal features of an amputee stump.
4. What is total claw hand? Describe the orthotic management of claw hand.
5. Neuroplasticity.
6. Medical social worker.
7. Describe strength duration curve and its significance.
8. 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 upper motor disease.
3. List four features of cerebellar disease.
4. What is straight leg raising test and its significance?
5. List out the rotator cuff muscles and identify the muscle involved in Painful arc syndrome.
6. What are swan neck and Bouttonaire deformity and one reason for the condition?
7. What is tinel's sign? What is its clinical significance?
8. What is body mass index? Its clinical significance.
9. Visual analogue scale.
10. List two named bursae around knee and name the diseases affecting them.

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

[LM 6268]

FEBRUARY 2018

Sub. Code: 6268

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER V - REHABILITATION MEDICINE INCLUDING
GERIATRIC MEDICINE**

Q.P. Code : 746268

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. How will you Rehabilitate a 40 year old male, who had 10 months back sustained bilateral above Knee Amputation due to road traffic accident?
2. Describe the Rehabilitation program for a 20 year old college student with D8 Pott's paraplegia.

II. Write notes on:

(8 x 5 = 40)

1. Persons with Disability (PWD) Act.
2. Thoracolumbosacral orthoses (TLSOs).
3. Foot deformities in Leprosy.
4. Myoelectric hand.
5. Sheltered workshop.
6. Cubitus varus deformity.
7. Adhesive capsulitis.
8. Exercise therapy in elderly.

III. Short answers on:

(10 x 2 = 20)

1. Reverse Knuckle bender splint.
2. Jersey finger.
3. Thompson's test.
4. Tripod gait.
5. Bennet's fracture.
6. Aerobic capacity.
7. Moro's reflex.
8. Incentive spirometry.
9. Coronary Angioplasty.
10. Basal ganglia.

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

[LN 6268]

AUGUST 2018

Sub. Code: 6268

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER V - REHABILITATION MEDICINE INCLUDING
GERIATRIC MEDICINE**

Q.P. Code : 746268

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe the rehabilitation program for a 45 year old housewife with Rheumatoid arthritis.
2. How will you rehabilitate a 40 year old male bank manager with traumatic D10 incomplete paraplegia?

II. Write notes on:

(8 x 5 = 40)

1. Hip Knee Ankle Foot Orthosis (HKAFO).
2. Levels of amputation in lower limb.
3. Thoracic outlet syndrome.
4. Strategies for prevention of fall.
5. Functional Electrical Stimulation (FES).
6. Concept of Neuro-development therapy.
7. State and Central Government schemes for Persons with Disability.
8. Job placement officer.

III. Short answers on:

(10 x 2 = 20)

1. Pavlick's harness.
2. Mallet finger.
3. Bamboo spine.
4. Stubbies.
5. Buerger's exercise.
6. Parachute reflex.
7. Glossopharyngeal breathing.
8. MET (Metabolic Equivalent Task).
9. Infantile hemiplegia.
10. Volkmann's sign.

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER V - REHABILITATION MEDICINE INCLUDING
GERIATRIC MEDICINE**

Q.P. Code : 746268

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. What are the goals of Cardiac Rehabilitation? Describe the Cardiac Rehabilitation program for a 50 year old male sales executive who is admitted in CCU with recent Myocardial Infarction.
2. How will you Rehabilitate a 45 year old male with bilateral above Elbow amputation?

II. Write notes on:

(8 x 5 = 40)

1. Community based Rehabilitation.
2. Orthostatic hypotension.
3. Congenital Vertical Talus.
4. Cervical orthosis.
5. Barthel Index.
6. Patellar tendon bearing prosthesis.
7. Relaxation techniques.
8. Medical social worker.

III. Short answers on:

(10 x 2 = 20)

1. Dinnerfork deformity.
2. Morton's metatarsalgia.
3. Phocomelia.
4. Pott's spine.
5. Tidal volume.
6. Aeroplane splint.
7. Homan's sign.
8. Labyrinthine righting reflex.
9. Syncope.
10. Bone Mineral Density.

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER V - REHABILITATION MEDICINE INCLUDING
GERIATRIC MEDICINE**

Q.P. Code : 746268

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss the Rehabilitation protocol for a 50 year old male school teacher with Right side Hemiplegia of 4 months duration.
2. What are the general principles of amputation surgery in lower extremities? Discuss different prosthetic options of Above Knee Amputation.

II. Write notes on:

(8 x 5 = 40)

1. Rehabilitation management of Neurogenic bladder.
2. Disabilities in Hansen's disease.
3. Duchenne muscular dystrophy.
4. Splints of peripheral nerve injuries.
5. Environmental control devices.
6. Muscle re-education.
7. Terminal devices for upper limb prosthesis.
8. Vocational counselor.

III. Short answers on:

(10 x 2 = 20)

1. Babinski sign.
2. Difference between UMN and LMN type facial Nerve Palsy.
3. Gaenslen's test.
4. Dementia.
5. Purse lip breathing.
6. Definition of Cerebral Palsy.
7. Shoulder impingement syndrome.
8. Ape thumb deformity.
9. Parapodium.
10. Safe position for hand immobilization.

[LQ 6268]

FEBRUARY 2020

Sub. Code: 6268

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER V - REHABILITATION MEDICINE INCLUDING
GERIATRIC MEDICINE**

Q.P. Code : 746268

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe the etiopathology and clinical features of Parkinson's disease. Describe the Rehabilitation of a patient with Parkinson's disease.
2. Enumerate the causes of Amputation. Describe the rehabilitation of an Engineer with Traumatic Unilateral below Knee amputation.

II. Write notes on:

(8 x 5 = 40)

1. Circle of Willis.
2. Complications of stroke.
3. Wheelchair.
4. Theories of ageing.
5. Primitive reflexes.
6. Frankel's exercise.
7. Post Polio syndrome.
8. Grading of Pressure Ulcers.

III. Short answers on:

(10 x 2 = 20)

1. Carpal bones.
2. Vital capacity.
3. MRC grading of muscle power.
4. Trendelenburg gait.
5. Parallel bar.
6. Define impairment and disability.
7. Sheltered workshop.
8. Stages of Poliomyelitis.
9. Plantar fasciitis.
10. Boston brace.

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

[LR 1220]

DECEMBER 2020
(AUGUST 2020 EXAM SESSION)
BPT DEGREE EXAMINATION
FOURTH YEAR

Sub. Code: 6268

PAPER V – REHABILITATION MEDICINE INCLUDING GERIATRIC
MEDICINE
Q.P. Code : 746268

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe the Rehabilitation program for a 45 year old housewife who sustained Burns injury both Upper Limbs and Neck.
2. How will you Rehabilitate a 40 year old male Chartered Accountant with Traumatic D-12 Paraplegia?

II. Write notes on:

(8 x 5 = 40)

1. Lymphedema Management.
2. Exercise Tolerance Test.
3. Functional Independence Measure.
4. Myoelectric Hand.
5. Milwaukee Brace.
6. Relaxation Techniques.
7. State and Central Government Schemes for Persons with Disability.
8. Clinical Psychologist.

III. Short answers on:

(10 x 2 = 20)

1. Trophic Ulcer.
2. Autism.
3. Automatic Reflex Bladder.
4. Madras Foot.
5. Lasegue Test.
6. Postural Drainage.
7. Tenodesis Splint.
8. Sheltered Workshop.
9. Spina Bifida.
10. Golfer's Elbow.

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

[BPT 0921]

**SEPTEMBER 2021
(FEBRUARY 2021 EXAM SESSION)**

Sub. Code: 6268

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER V – REHABILITATION MEDICINE INCLUDING GERIATRIC
MEDICINE
*Q.P. Code : 746268***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Identify behavioural problems in the disabled and outline the principles of management.
2. Describe the theories of pain and discuss therapeutic management of pain using various modalities.

II. Write notes on:

(8 x 5 = 40)

1. Principles and mechanism of therapeutic techniques assisting weak muscles.
2. Identify communication problems, classify these.
3. Define myofascial pain syndrome and outline the management.
4. Describe strength duration curve and its significance.
5. Components of wheel chair.
6. Neurogenic bladder.
7. Vestibular rehabilitation.
8. Outline the social implications of disability.

III. Short answers on:

(10 x 2 = 20)

1. CTEV boot.
2. Soft cervical collar.
3. Motor point.
4. Independent living.
5. Flat foot.
6. Reducing spasm.
7. Gait.
8. Gate control theory.
9. VO2 max.
10. Tardy Ulnar nerve palsy.

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

[BPT 0122]

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

Sub. Code: 6268

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
FOURTH YEAR
PAPER V – REHABILITATION MEDICINE INCLUDING GERIATRIC
MEDICINE
Q.P. Code : 746268**

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe the Rehabilitation program for a 20-year-old college student with D10 Pott's paraplegia.
2. Define Rehabilitation. What are the team concepts in the management? Discuss the role of each member of the team.

II. Write notes on:

(8 x 5 = 40)

1. Define the term rehabilitation. Explain its aims and principles.
2. Ankle Foot Orthosis (AFO).
3. Universal design.
4. Explain about the various types of mobility aids and their functions.
5. Methods of evaluation for physical dysfunction in Cerebral palsy.
6. Management of disabilities in Arthritis.
7. Explain the principals involved in prescribing orthotic devices for different parts of the Body.
8. Institutional based rehabilitation system.

III. Short answers on:

(10 x 2 = 20)

1. Reciprocating gait orthosis.
2. Boutonniere deformity.
3. Endurance.
4. Adhesive capsulitis.
5. Myoelectric hand.
6. Rigidity and spasticity.
7. Define myofascial pain syndrome.
8. Classificaiton of spinal cord injury by ASIA.
9. Joint mobilization.
10. Partial & total disability.

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

[BPT 0622]

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

Sub. Code: 6268

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
FOURTH YEAR
PAPER V – REHABILITATION MEDICINE INCLUDING GERIATRIC
MEDICINE
Q.P. Code : 746268**

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe the clinical features and rehabilitation process for a person with Parkinson's disease.
2. How will you rehabilitate a 40 years old male with right side hemiplegia?

II. Write notes on:

(8 x 5 = 40)

1. Gait cycle and pathological gait.
2. Ataxia and Frenkel's exercise.
3. Musculoskeletal changes in the elderly.
4. Spastic diplegia and developmental milestones.
5. Circle of Willis.
6. Milwaukee brace and application.
7. Neurogenic bladder and management.
8. Role of speech pathologist in rehabilitation team.

III. Short answers on:

(10 x 2 = 20)

1. Overhead pulley and application in rehabilitation.
2. Define foot drop splint.
3. Chorea and athetosis.
4. Tinel's sign.
5. Medical Research Council Grading of muscle strength.
6. Aeroplane splint.
7. Hand deformities in rheumatoid arthritis.
8. Babinski's sign.
9. What is straight leg raising test and its significance?
10. Visual analogue scale.

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

[BPT 1022]

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

Sub. Code: 6268

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
FOURTH YEAR**

(Candidates admitted upto the academic year 2016-2017)

**PAPER V – REHABILITATION MEDICINE INCLUDING GERIATRIC
MEDICINE**

Q.P. Code : 746268

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe the rehabilitation process for a person with traumatic paraplegia at D12 level.
2. How will you rehabilitate a school student who has muscular dystrophy?

II. Write notes on:

(8 x 5 = 40)

1. Post-polio residual paralysis syndrome and rehabilitation.
2. Co-ordination exercise used in rehabilitation.
3. Musculoskeletal changes in the elderly.
4. Training process for prosthetic fitting in young adult who underwent below knee amputation after road traffic accident.
5. Role of Physiotherapist in stroke rehabilitation.
6. Common Rheumatoid hand deformities and rehabilitation measures.
7. Cervical collars types and recommended use in patients.
8. Describe Myoelectric hand.

III. Short answers on:

(10 x 2 = 20)

1. Rehabilitation nurse.
2. Joint mobilization in rehabilitation.
3. Communication problems in rehabilitation.
4. Define myofascial pain.
5. Types of crutches used in rehabilitation.
6. Phantom limb pain.
7. Lumbosacral corset.
8. Institution based rehabilitation.
9. Independent living in rehabilitation.
10. Define prevocational evaluation.

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

[BPT 0423]

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

Sub. Code: 6268

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
FOURTH YEAR
(Candidates admitted upto the academic year 2016-2017)
PAPER V – REHABILITATION MEDICINE INCLUDING GERIATRIC
MEDICINE**

Q.P. Code: 746268

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. What are the physiological changes that can occur in the various systems of the geriatric population? Mention the common impairments of the geriatric age group and the management.
2. How will you rehabilitate a 40 years old young male who has become right side hemiplegic secondary to cerebrovascular accident (infarct)?

II. Write notes on:

(8 x 5 = 40)

1. Knee Ankle Foot Orthosis (KAFO).
2. Architectural barriers.
3. Postural Hypotension.
4. Philadelphia Collar.
5. Various Sockets for a below knee stump.
6. Increasing co-ordination principles and mechanism of therapeutic techniques with relevant precaution and contraindication.
7. Milwaukee brace.
8. Pathological gait.

III. Short answers on:

(10 x 2 = 20)

1. Stubby prosthesis.
2. Cerebral palsy types.
3. Swan neck deformity.
4. Trigger thumb.
5. Westminster pulleys.
6. Calisthenics.
7. Walking frame.
8. Thompsons test.
9. Coronary Angioplasty.
10. Tinel's sign.

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

[BPT 1123]

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

Sub. Code: 6268

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
FOURTH YEAR
(Candidates admitted upto the academic year 2016-2017)
PAPER V – REHABILITATION MEDICINE INCLUDING GERIATRIC
MEDICINE**

Q.P. Code: 746268

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. What do you understand by the term 'Rehabilitation Team'? Enumerate the professionals involved in this team and describe their specific roles as members of the rehabilitation team.
2. Define Cerebral Palsy. Discuss the types, causes, clinical features and management for Cerebral palsy.

II. Write notes on:

(8 x 5 = 40)

1. Milwaukee brace.
2. Floor Reaction Orthosis.
3. DeLorme progressive resistance exercise.
4. Clinical psychologist.
5. Dynamic cock up splint.
6. Common impairments in elderly people.
7. Patellar Tendon Bearing (PTB) prosthesis.
8. Complications of paraplegia.

III. Short answers on:

(10 x 2 = 20)

1. Swan Neck deformity.
2. Philadelphia collar.
3. Dysarthria.
4. SACH Foot.
5. Functions of Hand.
6. Foot drop.
7. Various levels of amputation in the lower limb.
8. Lumbo sacral belt.
9. Wernicke's aphasia.
10. Mallet finger.

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

[BPT 0824]

AUGUST 2024

Sub. Code: 6268

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
FOURTH YEAR**

(Candidates admitted upto the academic year 2016-2017)

**PAPER V – REHABILITATION MEDICINE INCLUDING GERIATRIC
MEDICINE**

Q.P. Code: 746268

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Enumerate the clinical features of Rheumatoid Arthritis. How will you rehabilitate a computer professional with Rheumatoid arthritis and describe about orthoses which can be used?
2. How will you rehabilitate a 50 yr old male who has undergone Cardiac Bypass Surgery?

II. Write notes on:

(8 x 5 = 40)

1. Golfer's elbow.
2. Robotics in Rehabilitation.
3. Erb's Palsy.
4. Terminal devices.
5. Foot drop.
6. Management of Lymphedema.
7. Traction.
8. Mobility aids.

III. Short answers on:

(10 x 2 = 20)

1. Define spasticity. Name two conditions causing spasticity.
2. What is Bell's phenomena?
3. What is Mirror therapy? Where is it used?
4. Name different types of Massage.
5. Trendelenburg gait.
6. Mention four risk factors for stroke.
7. What is Charcot joint? Name one condition where it is found?
8. Kegel's exercise.
9. Moro's reflex.
10. What is Housemaid's Knee? How will you treat it?

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

[BPT 0225]

FEBRUARY 2025

Sub. Code: 6268

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
FOURTH YEAR**

(Candidates admitted upto the academic year 2016-2017)

**PAPER V – REHABILITATION MEDICINE INCLUDING GERIATRIC
MEDICINE**

Q.P. Code: 746268

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. List out the complications of prolonged immobility. Describe the grading, prevention and management of pressure sores.
2. Describe the etiopathology, clinical features, deformities and management of Rheumatoid arthritis.

II. Write notes on:

(8 x 5 = 40)

1. Clinical psychologist.
2. Complications of stroke
3. ASIA scoring.
4. Adhesive Capsulitis.
5. Broncho pulmonary segments.
6. Risk factors of Coronary artery disease.
7. KAFO (Knee-Ankle-Foot Orthosis).
8. Deformities in Poliomyelitis.

III. Short answers on:

(10 x 2 = 20)

1. Quadriceps Femoris.
2. Tennis elbow.
3. Parts of PTB (Patellar Tendon Bearing) prosthesis.
4. Festinant gait.
5. Causes for amputation.
6. Neural pathway for plantar reflex.
7. Classification of nerve injuries.
8. Grading of spasticity.
9. MAT exercises.
10. Thompson test.

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

[BPT 0825]

AUGUST 2025

Sub. Code: 6268

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
FOURTH YEAR**

(Candidates admitted upto the academic year 2016-2017)

**PAPER V – REHABILITATION MEDICINE INCLUDING GERIATRIC
MEDICINE**

Q.P. Code: 746268

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define the Geriatric age groups. What are the physiological changes that occur in various systems of the geriatric population? Mention the common impairments of this age group and the management.
2. Discuss the clinical features, diagnosis and management of Rheumatoid arthritis. Add a note on rheumatoid hand deformities.

II. Write notes on:

(8 x 5 = 40)

1. Taylor's brace.
2. Phantom limb pain.
3. Conus medullaris lesion.
4. Clinical Psychologist.
5. Management of spasticity.
6. Hip Knee Ankle foot orthosis.
7. Occupational Therapist's roles.
8. Causes for pressure ulcer.

III. Short answers on:

(10 x 2 = 20)

1. Interdisciplinary team.
2. Lumbo sacral belt.
3. Grading of pressure sore.
4. Finkelstein's test.
5. CTEV Boot.
6. Gower's sign.
7. Inter disciplinary team.
8. Apraxia.
9. Madras foot.
10. Froment's sign.
