

February 2009

[KU 992]

Sub. Code: 5187

**BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION**

**Fourth Year**

**Non-Semester Regulations and Eighth Semester**

**(Modified / New Modified Regulations)**

**REHABILITATION MEDICINE INCLUDING GERIATRIC**

**REHABILITATION**

*Q.P. Code : 745187*

**Time : Three hours**

**Maximum : 100 marks**

**Answer All questions**

**Draw suitable diagrams wherever necessary**

**I. Essays: (2 x 15 = 30)**

1. Define osteoporosis. Write the clinical features and the management.
2. Brief local and systemic effects of heat injury. Write the rehabilitation of burns injury.

**II. Short Notes : (10 x 5 = 50)**

1. Achilles Tendinitis.
2. Cryotherapy.
3. Deep vein thrombosis.
4. Rupture of supra spinatus tendon.
5. Global aphasia.
6. Benign paroxysmal positional vertigo (B.P.P.V.).
7. Sliding filament theory.
8. Blink reflex.
9. Obesity.
10. Patello femoral syndrome.

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

1. Gower's Sign.
2. Barthel index.
3. Cadence.
4. Tinnel's sign.
5. Laseque test.
6. Aerobic training.
7. McMurray's test.
8. L5 dermatome.
9. Swan neck deformity.
10. COBB angle.

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August 2009

[KV 992]

Sub. Code: 5187

**BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION**

**Fourth Year**

**Non-Semester Regulations and Eighth Semester**

**(Modified / New Modified Regulations)**

**REHABILITATION MEDICINE INCLUDING GERIATRIC**

**REHABILITATION**

*Q.P. Code : 745187*

**Time : Three hours**

**Maximum : 100 marks**

**Answer All questions**

**Draw suitable diagrams wherever necessary**

**I. Essays: (2 x 15 = 30)**

1. Define pressure ulcer. Write the common sites of pressure ulcer formation and contributing factor, add a note on treatment guideline.
2. Define Geriatric rehabilitation. Discuss the biology and physiology of ageing and common impairments in geriatric patients.

**II. Short Notes : (10 x 5 = 50)**

1. Theories of pain.
2. Dynamic knuckle bending splint.
3. Muscle spindle.
4. Hamstring strain.
5. Strength duration curve.
6. Arthrodesis.
7. PTB prosthesis.
8. Plantar fasciitis.
9. Apraxia.
10. Club foot boot

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

1. Baker's cyst.
2. Erb's point.
3. L4 dermatome.
4. Axonotmesis.
5. Wax therapy.
6. Tarsal tunnel syndrome.
7. Stump Neuroma.
8. Define nonunion.
9. Walking cane.
10. Circumduction gait.

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February 2010

[KW 992]

Sub. Code: 5187

**BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION  
Fourth Year**

**Non-Semester Regulations and Eighth Semester  
(Modified / New Modified Regulations)**

**REHABILITATION MEDICINE INCLUDING GERIATRIC  
REHABILITATION**

***Q.P. Code : 745187***

**Time : Three hours**

**Maximum : 100 marks**

**Answer All questions**

**Draw suitable diagrams wherever necessary**

**I. Essays: (2 x 15 = 30)**

1. Write in detail about the rehabilitation after total knee reconstruction.
2. Define stroke. What are the risk factors for stroke? Add a brief note on the pathophysiology of stroke. How will you rehabilitate a 60 years old patient with left side hemiplegia.

**II. Short Notes : (10 x 5 = 50)**

1. Phantom pain.
2. Autonomous bladder.
3. Aphasia.
4. Primitive reflexes.
5. Sunderland's classification of nerve injury.
6. Medical social worker.
7. Various types of sockets for below knee prosthesis.
8. Knuckle bender splint.
9. Architectural barriers.
10. Somi brace.

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

1. Wallerian degeneration.
2. Claw deformity.
3. Gaenslen's test.
4. Dermatomes.
5. Genu valgum.
6. Gouty Arthritis.
7. Tennis elbow.
8. MCR chappal.
9. Pulses profile.
10. Isotonic exercises.

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[KX 992]

Sub. Code : 5187

**BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION**

**Fourth Year Non-Semester Regulations and Eighth Semester  
(Modified / New Modified Regulations)**

**REHABILITATION MEDICINE INCLUDING GERIATRIC  
REHABILITATION**

*Q.P. Code : 745187*

**Time : Three hours**

**Maximum : 100 marks**

**ANSWER ALL QUESTIONS**

**Draw suitable diagrams wherever necessary**

**I. Essays:**

**(2X15=30)**

1. Define Multiple Sclerosis. Write in detail about the Clinical features and its management.
2. Define the term Rehabilitation. Briefly describe the various models of team concepts in Rehabilitation. Explain briefly the roles played by each Rehabilitation Team Member.

**II. Short Notes :**

**(10X5=50)**

1. Differentiate between Spasticity and Rigidity. Give one disease condition for each.
2. Post Polio Syndrome.
3. Gait Cycle.
4. Rood's Sensory motor approach.
5. Milwaukee brace.
6. Community based rehabilitation.
7. Sym's prosthesis.
8. Features of ideal amputation stump.
9. Strength Duration Curve.
10. Clinical Psychologist.

**III. Short Answers:**

**(10X2=20)**

1. Bakers Cyst.
2. Erb's point.
3. Tinel's Sign.
4. Elbow Crutch.
5. Write three complications of Fracture.
6. Tropic Ulcer.
7. Complications of Stroke.
8. Difference between UMN and LMN in Facial palsy.
9. Tardy Ulnar palsy.
10. Plantar Fasciitis.

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BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION.

Fourth year Non-Semester Regulations and  
Eighth Semester.

(Modified/New Modified Regulations)

REHABILITATION MEDICINE INCLUDING GERIATRIC REHABILITATION

Q.P. Code : 745187

Time : Three hours

Maximum : 100 marks

Draw suitable diagrams wherever necessary

Answer ALL questions.

I. Essay : (2 × 15 = 30)

1. Discuss the deleterious effects of prolonged inactivity and bed rest on the body system.
2. Discuss the role of physiotherapist in rehabilitation following myocardial infarction in 50 year old male.

II. Short notes : (10 × 5 = 50)

1. Community based rehabilitation.
2. Endurance exercises.
3. Activities of daily living.
4. Spasticity.
5. Below knee prosthesis.
6. Tendon transfers and muscle re-education.
7. Architectural barriers.
8. Biofeed-back.
9. Wheel chair.
10. Milwaukee brace.

(P.T.O)

III. Short answers :

(10 × 2 = 20)

1. Occupational therapist.
2. De-Quervain's disease.
3. Septic arthritis.
4. Ankle foot orthosis.
5. Retero-Calcaneal bursitis.
6. Cervical spondylosis.
7. Peripheral neuropathy.
8. Aphasia.
9. Boutonniere deformity.
10. Lymphoedema.

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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.

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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.

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[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 |

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[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.

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[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.

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