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. Achillus 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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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. Hamsting strain.
5. Strength duration curve.
6. Arthrodesis.
7. PTB prosthesis.
8. Plantar fascitis.
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. Axonatmesis.
5. Wax therapy.
6. Tarsal tunnel syndrome.
7. Stump Neuroma.
8. Define nonunion.
9. Walking cane.
10. Circumduction gait.

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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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Fourth Year Non-Semester Regulations and Eighth Semester

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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. Milwavkee 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 Fascitis.

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