

Reg. No.									
----------	--	--	--	--	--	--	--	--	--

MANIPAL UNIVERSITY

THIRD YEAR B.P.T./B.O.T. DEGREE EXAMINATION – JUNE 2010

SUBJECT: NEUROLOGICAL SCIENCES
(COMMON FOR BOTH OLD & NEW REGULATION)

Thursday, June 10, 2010

Time: 14:00-17:00 Hrs.

Maximum Marks: 80

✍ **Answer any FOUR questions. Each question carries 20 marks.**

1. Enumerate clinical features of complete transaction of spinal cord at T10 segment. Draw section of spinal cord at this level. Enumerate management of Paraplegia.
2. Meningitis-- etiopathogenesis, clinical features, management.
3. Multiple sclerosis---- types, etiology, clinical features, management.
4. **Short notes:**
 - 4A. Organophosphate poisoning
 - 4B. Wilson disease
 - 4C. Radiation myelopathy
 - 4D. Rabies
5. **Short notes:**
 - 5A. ALS (amyotrophic lateral sclerosis)
 - 5B. Pellagra
 - 5C. Myasthenia gravis
 - 5D. Guillian Barre syndrome.



MANIPAL UNIVERSITY**THIRD YEAR B.P.T. DEGREE EXAMINATION – JUNE 2010****SUBJECT: PHYSIOTHERAPY IN NEUROSCIENCES
(COMMON FOR NEW & OLD REGULATION)**

Saturday, June 12, 2010

Time: 14:00-17:00 Hrs.

Maximum Marks: 80

✍ Answer ALL the questions.**1. Essay Questions:**

- 1A. Explain the rehabilitation of a 35 year old male with C7 level complete spinal cord injury.
- 1B. Discuss the management of a chronic hemiplegic patient in Brunnstrom stage III of recovery.

(10×2 = 20 marks)

2. Write Short Notes:

- 2A. Write various stages of DMD according to the progression of disability.
- 2B. Discuss the management of a 10 month old hypotonic child.
- 2C. Explain the treatment principles of NDT.
- 2D. Describe the secondary complications following head injury and its physiotherapy management.
- 2E. Discuss the management of orthostatic hypotension in GBS.
- 2F. Explain the postoperative management of a subject with a multilevel lumbar laminectomy with paraparesis.
- 2G. Describe the management of a child with Erb's palsy.
- 2H. Describe the methods to improve postural stability in subjects with cerebellar disorder.

(5×8 = 40 marks)

3. Write Briefly:

- 3A. Which are the cranial nerves responsible for normal oromotor function?
- 3B. Write the modified ashworth scale for grading spasticity.
- 3C. What is locked in syndrome?
- 3D. What is gravitational insecurity?
- 3E. What is Rhythmic stabilization?
- 3F. Mention any four features of down syndrome.
- 3G. What is the acute stage management of polymyositis?
- 3H. Mention any four features of diabetic neuropathy.
- 3I. Mention the types of spina bifida.
- 3J. What is myasthenic crisis?

(2×10 = 20 marks)



MANIPAL UNIVERSITY**THIRD YEAR B.P.T. DEGREE EXAMINATION – JUNE 2010****SUBJECT: PHYSIOTHERAPY IN ORTHOPAEDICS AND RHEUMATOLOGY
(COMMON FOR BOTH OLD & NEW REGULATION)**

Tuesday, June 15, 2010

Time: 14:00-17:00 Hrs.

Maximum Marks: 80

✍ Answer ALL questions.**1. Essay Questions:**

- 1A. Discuss post-operative management of a patient with shoulder dislocation.
1B. Explain physiotherapy management of a patient with L₄₋₅ IVDP.

(10×2 = 20 marks)

2. Write briefly:

- 2A. Discuss physiotherapy management of tennis elbow.
2B. Discuss management of Perthe's disease.
2C. Discuss Piriformis Syndrome and its management.
2D. Mention clinical features of Complex regional pain syndrome and its management.
2E. Discuss physiotherapy management for Patella fracture.
2F. Mention causes of postural back pain.
2G. Discuss common lower limb deformities in Cerebral Palsy.
2H. Explain management of thoracic outlet syndrome.

(5×8 = 40 marks)

3. Write very briefly:

- 3A. What is Intersection syndrome?
3B. What is Fracture disease?
3C. List out clinical features of Meralgia Paresthetica.
3D. Anterior drawer test.
3E. Tendon gilding exercises.
3F. Mention Zones of flexor tendon injury.
3G. FABER's test.
3H. Precautions after total hip replacement.
3I. What is triple arthrodesis?
3J. What is scissoring gait?

(2×10 = 20 marks)

