

**MANIPAL ACADEMY OF HIGHER EDUCATION**

(Deemed University)

**THIRD YEAR B.P.T./B.O.T. DEGREE EXAMINATION – JUNE 2005****SUBJECT: CLINICAL ORTHOPAEDICS AND RHEUMATOLOGY**  
**((COMMON FOR BOTH OLD & NEW REGULATION))**

Wednesday, June 15, 2005

Time available: 3 Hours.

Maximum Marks: 80

✂ **Answer Section "A" and Section "B" in TWO SEPARATE ANSWER BOOKS.****SECTION "A": CLINICAL ORTHOPAEDICS: 40 MARKS**

1. What do you mean by dislocation of a joint? Enumerate four joints which commonly get dislocated following trauma. Discuss the clinical features and management of traumatic dislocation of any joint. Enumerate four complications of this dislocation.  
(1+2+2+3+2 = 10 marks)
2. What is club foot? What are the deformities seen in club foot? At which joints do these deformities occur? Briefly outline the management of a club foot in a 1 year old child.  
(1+2+2+5 = 10 marks)
3. Write short notes on:
  - 3A. Erb's palsy
  - 3B. Painful arc syndrome
  - 3C. Cubitus varus
  - 3D. Causes of nonunion of fracture neck of femur.

(5×4 = 20 marks)

**SECTION "B": RHEUMATOLOGY: 40 MARKS**

4. Write short notes on any **FOUR** of the following:
  - 4A. Salient clinical features of seronegative spondylarthritides.
  - 4B. Types of psoriatic arthritis.
  - 4C. ASO titre.
  - 4D. Henoch schonlein purpura.
  - 4E. Hand changes in rheumatoid arthritis.

(5×4 = 20 marks)
5. Answer any **TWO** of the following:
  - 5A. Classify vasculitis. Briefly describe the clinical features, investigation and treatment of polymyalgia rheumatica.
  - 5B. Discuss differences in clinical features, diagnosis and treatment of gout and pseudogout.
  - 5C. Describe clinical features and management of polyarteritis nodosa.

(10×2 = 20 marks)



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

# MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

## THIRD YEAR B.P.T./B.O.T. DEGREE EXAMINATION – JUNE 2005

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

Thursday, June 16, 2005

Time available: 3 Hours.

Maximum Marks: 80

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

1. Classify motor neuron disease. Write in brief about the etiology, clinical features and management of ALS.
2. Enumerate the causes of acute peripheral neuropathy. Write a brief account on G.B. syndrome.
3. CSF production, circulation and etiology and clinical features of pyogenic meningitis.
4. Write short notes on:
  - 4A. Acute Poliomyelitis.
  - 4B. Lacunar infarct.
  - 4C. Glossopharyngeal neuralgia.
5. Write short notes on:
  - 5A. Syringomyelia.
  - 5B. Tetanus.
  - 5C. HSE.



**MANIPAL ACADEMY OF HIGHER EDUCATION**

(Deemed University)

**THIRD YEAR B.P.T. DEGREE EXAMINATION – JUNE 2005****SUBJECT: PHYSIOTHERAPY IN NEUROSCIENCE***(COMMON FOR BOTH OLD & NEW REGULATION)*

Friday, June 17, 2005

Time available: 3 Hours.

Maximum Marks: 80

✍ **Note: Answer ALL questions.**

1. Discuss about the physiotherapy management in cerebellar disorders. Write in brief on Frenkel's exercise.

(6+4 = 10 marks)

2. Mention the clinical features of multiple sclerosis. Briefly discuss the physiotherapy management of multiple sclerosis. Write a note on prognosis of the same.

(3+5+2 = 10 marks)

3. Write short notes on:

3A. Principles of Roods approach.

3B. Complication in Duchene muscular dystrophy.

3C. Signs and symptoms of meningitis.

3D. Hoehn and Yahr stage of Parkinson Disease.

3E. Bells palsy-physiotherapy management.

3F. Causes of compressive myelopathy.

3G. Goals of management in myasthenia gravis.

3H. Clinical features of syringomyelia.

(5×8 = 40 marks)

4. Answer briefly to the following:

4A. Types of gait seen in Cerebral palsy.

4B. What is Homolateral Synkinesis?

4C. What is thalamic syndrome?

4D. Define motor neuron disease.

4E. Mention two strategies to overcome Hemineglect.

4F. What is Claw hand?

4G. Name the types of Spina bifida.

4H. What is Reflex Inhibiting Patterns (RIP) of movement?

4I. Name any two Midbrain reactions.

4J. What are the cortical sensations?

(2×10 = 20 marks)



**MANIPAL ACADEMY OF HIGHER EDUCATION**

(Deemed University)

**THIRD YEAR B.P.T. DEGREE EXAMINATION – JUNE 2005****SUBJECT: PHYSIOTHERAPY IN ORTHOPAEDICS AND RHEUMATOLOGY***(COMMON FOR BOTH OLD & NEW REGULATION)*

Monday, June 20, 2005

Time available: 3 Hours.

Maximum Marks: 80

**✍ Answer ALL questions.**

1. Enumerate the clinical features of radial nerve injury at radial groove. Mention the reconstructive procedure and post-operative rehabilitation for failed regeneration of radial nerve.

(4+2+4 = 10 marks)

2. Discuss on concepts of adverse neural tension tests, indications, contraindications and enumerate various tests.

(3+2+2+3 = 10 marks)

3. Write short notes on:

3A. Causes of foot drop.

3B. Clinical features of arthrogryphosis multiplex congenita.

3C. Clinical and radiological features in lumbar spondylosis.

3D. Management of plantar fasciitis.

3E. Orthotic management in traumatic cauda equina injury.

3F. Tardy ulnar nerve palsy.

3G. Conservative management of Boutonniere deformity.

3H. Protocol for ACL reconstruction using patellar tendon graft.

(5×8 = 40 marks)

4. Answer briefly:

4A. Classification of spinal fractures based on mechanism of injury.

4B. Clinical features of subacromial bursitis.

4C. Tests for tennis elbow.

4D. Types of meniscal tear.

4E. Closed and open wedge osteotomy.

4F. Management of clavicle fracture.

4G. Early physiotherapy in Erb's palsy.

4H. Quadriceps plasty.

4I. Floor reaction orthosis.

4J. Indications for wheelchair use in spinal cord injury.

(2×10 = 20 marks)

