

**MANIPAL ACADEMY OF HIGHER EDUCATION**

(Deemed University)

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

Thursday, December 08, 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. Enumerate the injuries caused by fall on the out stretched hand. Discuss the clinical features and management of supracondylar fracture of humerus in a child. Add a note on the complications of this fracture.  
(2+4+4 = 10 marks)
2. What are the stages of tuberculosis of the hip? Mention the clinical features and management of tuberculosis of the hip.  
(3+3+4 = 10 marks)
3. Write short notes on:  
(5 × 4 = 20 marks)
  - 3A. Baker's cyst.
  - 3B. Galeazzi fracture dislocation.
  - 3C. Mal union.
  - 3D. Denis Browne splint.

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

4. Discuss the clinical features, diagnosis and management of Systemic Lupus Erythematosus (SLE).  
(4+3+3 = 10 marks)

**OR**

Discuss the clinical manifestations, diagnosis and management of Progressive Systemic Sclerosis.

(4+2+4 = 10 marks)

5. Classify Polymyositis and Dermatomyositis. Discuss the clinical features, diagnosis and management of Polymyositis- Dermatomyositis.

**OR**

Classify Juvenile chronic arthritis. Discuss the clinical features, diagnosis and management of Still's disease.

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

6. Write short notes on any **FOUR** of the following.
  - 6A. Pseudogout.
  - 6B. Sjogren's syndrome
  - 6C. Extra articular features of rheumatoid arthritis.
  - 6D. Enteropathic arthritis
  - 6E. Disease modifying agents in rheumatoid arthritis.

(5×4 = 20 marks)



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**THIRD YEAR B.P.T./B.O.T. DEGREE EXAMINATION – DECEMBER 2005****SUBJECT: NEUROLOGICAL SCIENCES**  
**(COMMON FOR BOTH OLD & NEW REGULATION)**

Friday, December 09, 2005

Time available: 3 Hours.

Maximum Marks: 80

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

1. Etiology, clinical features and management of Myasthenia Gravis.
2. Classify muscle disorder. Write briefly on Chronic Polymyositis.
3. Herpes Simplex Encephalitis.
4. Write short notes on:
  - 4A. Optic Neuritis.
  - 4B. Wernickes Aphasia.
  - 4C. Mononeuritis Multiplex.
5. Write short notes on:
  - 5A. Harners syndrome.
  - 5B. Limb girdle muscular dystrophy.
  - 5C. Bulbar palsy.



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

Monday, December 12, 2005

Time available: 3 Hours.

Maximum Marks: 80

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

1A. Classify Parkinsonism. Explain the management of posture and gait problems in a patient with Parkinson's disease.

(3+3+4 = 10 marks)

1B. Mention any six clinical features of Gullaine Barre Syndrome. Explain the physiotherapy management of acute GBS patient.

(3+7 = 10 marks)

**2. Write short notes on:**

(5×8 = 40 marks)

2A. Erb's palsy.

2B. Recovery stages of Brunnstrom.

2C. Balance retraining.

2D. Bells palsy.

2E. Diabetic neuropathy.

2F. Classification of cerebral palsy.

2G. Physiotherapy management in a comatose patient.

2H. Physiotherapy management of transverse myelitis.

**3. Write brief answers:**

(2×10 = 20 marks)

3A. Hemiplegic gait.

3B. Energy conservation techniques.

3C. Hold relax.

3D. Uses of tilting table.

3E. Mumbling speech.

3F. Spatial and temporal summation.

3G. Mention two types of amnesia.

3H. Mention any four uses of ice in physiotherapy.

3I. How do you clinically differentiate spasticity and tightness?

3J. Principles of Frenkel's exercise.



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## THIRD YEAR B.P.T. DEGREE EXAMINATION – DECEMBER 2005

### SUBJECT: PHYSIOTHERAPY IN ORTHOPAEDICS AND RHEUMATOLOGY (COMMON FOR BOTH OLD & NEW REGULATION)

Tuesday, December 13, 2005

Time available: 3 Hours.

Maximum Marks: 80

✍ Answer ALL questions.

- 1A. List out causes of backache. Explain the clinical features of inter-vertebral disc prolapse at L5-S1 level. Write the conservative management for the same. Mention the surgeries available.
- 1B. Etiopathogenesis of adhesive capsulitis of shoulder. How will you rehabilitate a 60-year-old lady with frozen shoulder back to her original routine?

$((3+3+3+1) + (5+5) = 20 \text{ marks})$

- 2A. Classification of brachial plexus injury.
- 2B. Causes of claw hand.
- 2C. Clinical features of ankylosing spondylitis.
- 2D. Gait deviations in spastic diplegic cerebral palsy.
- 2E. Diagnostic criteria in rheumatoid arthritis.
- 2F. Management of piriformis syndrome.
- 2G. Conservative management of CTEV.
- 2H. List out spinal orthotics and explain any two.

$(5 \times 8 = 40 \text{ marks})$

- 3A. Diagram for levels of amputations in lower limb.
- 3B. ASIA classification of paraplegia.
- 3C. Types of intervertebral disc prolapse.
- 3D. Radiological staging of spondylolisthesis.
- 3E. Enumerate bursitis around knee.
- 3F. Indications for hemi-replacement of hip.
- 3G. Physiotherapy approach to chondromalacia patellae.
- 3H. Neural tissue mobilization in carpal tunnel syndrome.
- 3I. Care of anesthetic feet.
- 3J. Complications in forearm both bone fracture.

$(2 \times 10 = 20 \text{ marks})$

