

QP Code:

Reg.No.:.....

**MD Degree Examinations in Physical Medicine & Rehabilitation
(Model Question Paper)**

Paper I – Basic Sciences as Applied to Physical Medicine & Rehabilitation

Time: 3 hrs

Max marks:100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essay:

(20)

1. Draw a labelled diagram of Brachial Plexus and describe the segmental significance of various types of brachial plexus injuries

Short essays:

(10x8=80)

2. Blood supply of the spinal cord
3. Intrinsic muscles of the hand
4. Bronchopulmonary segments
5. Disturbances in muscle tone
6. Plasticity of the brain
7. Role of methotrexate in the treatment of Rheumatoid Arthritis
8. Electromagnetic spectrum
9. Role of baclofen in the treatment of spasticity

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**Paper II –Physical Medicine Including Physical Modalities, Biomedical
Instrumentation and Prosthetics and Orthotics**

Time: 3 hrs

Max marks:100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essay:

(20)

1. Discuss the evaluation and management of a 55 year old diabetic male with a trophic ulcer on the sole of the right foot of 6 months' duration.

Short essays:

(10x8=50)

2. Patellar tendon bearing prosthesis
3. Evaluation of a cerebral palsy child
4. Limb girdle type of muscular dystrophy
5. Energy storing feet
6. Laser therapy
7. Therapeutic uses of cold
8. Magnetron
9. Single Fibre EMG

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**Paper III –Physical Medicine Including Physical Modalities, Biomedical
Instrumentation & Prosthetics and Orthotics**

Time: 3 hrs

Max marks:100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essay:

(20)

1. Discuss the principles of geriatric rehabilitation.

Short essays:

(10x8=50)

2. Management of Dysphagia
3. Disability in the Parkinsonian syndrome
4. Management of ischial pressure sores
5. Mini mental status examination
6. Intra-articular injections
7. Assessment of motor development
8. Value of bone scans in PM&R
9. The female athlete

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Paper IV –Recent Advances

Time: 3 hrs

Max marks:100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essay:

(20)

1. Describe the components of a functional prosthesis for a transhumeral amputee.
List the recent advances in each of these components.

Short essays:

(10x8=50)

2. The WHO analgesic ladder
3. Use of botulinum toxin in cerebral diplegia
4. Long term oxygen therapy
5. Surgical management of obesity
6. Rehabilitation after cardiac transplant
7. Computers in medicine
8. Selective serotonin receptor inhibitors
9. Regeneration after spinal cord injury
