



**MR-10601**

Seat No. \_\_\_\_\_

**Fourth Year B. P. T. Examination**

**January - 2018**

**P.T. In Neuro - Muscular Cond.**

Time : **3 Hours]**

[Total Marks : **100**

- Instructions :** (1) Section should be written in separate main answer book.  
(2) Draw diagrams wherever necessary.

**SECTION - I**

- 1 Long Essay : (Any Two) 2×10=20**  
a. Describe in detail about Assessment and physiotherapy management of Gullian Barre Syndrome  
b. Aetiopathology, Clinical Features, Medical Management and Physiotherapy Management of Multiple Sclerosis.  
c. Write in detail about Assessment 'and physiotherapy management of Hemiplegia.
- 2 Short notes : (Any 2) 2×5=10**  
a. Balance Assessment in Neurological Examination.  
b. Charcot's Triad  
c. Sub acute Combined Degeneration of Spinal Cord.
- 3 Short answers : (Any 5) 5×2=10**  
a. Anterior Cord Syndrome  
b. Trigeminal Neuralgia  
c. Clinical Presentation of Duchenne Muscular dystrophy  
d. Tightness, Contractures, Deformity  
e. Hoffmann's sign  
f. Tests for Thoracic Outlet syndrome
- 4 Multiple Choice Questions (Answer to All) 1×10=10**  
1. Cerebral palsy is \_\_\_\_\_ disorder.  
a. Progressive                      b. Non progressive  
c. Both of above                      d. None of the above

2. Dysdiadochokinesia is due to -
  - a. Cerebral pathology
  - b. Brainstem pathology
  - c. Basal Ganglia Pathology
  - d. Cerebellar Pathology
3. Limb tremor can be reduced by -
  - a. Weight Cuffs /Weighted boots
  - b. Moist pack
  - c. Electrical Stimulation
  - d. Balance Exercises
4. "Palm to Palm test" is done for -
  - a. Median Nerve Paralysis
  - b. Ulnar Nerve Paralysis
  - c. Radial Nerve Paralysis
  - d. Musculocutaneous Nerve Paralysis
5. Which one of the following is not a Positive Feature of UMN Lesion ?
  - a. Increased tendon reflexes
  - b. Loss of dexterity
  - c. Clonus
  - d. Spasticity
6. Elevation, active exercise, contrast baths; and compression have been the mainstays of -
  - a. Spasticity Control
  - b. Voluntary Control
  - c. Edema control
  - d. None of the above
7. Which among the following is a modifiable risk factor for stroke ?
 

a. Race	b. Hypertension
c. Age	d. Sex
8. Generalized Muscle weakness associated with Cerebellar Lesions is termed as -
 

a. Ataxia	b. Asthenia
c. Asynergia	d. Akinesia
9. The writing in Parkinson's disease is called as -
 

a. Macrographia	b. Micrographia
c. Agraphia	d. Hypergraphia
10. The duration of wallerian degeneration after nerve injury -
 

a. 7-14 days	b. 14-21 days
c. 7-10 days	d. 10-15 days

## SECTION - II

- 5 Long Essay : (Any Two) **2×10=20**
- a. Write in detail about the Sequelae of Traumatic Brain Injury.
  - b. Write the physiotherapy Assessment and Management for Median Nerve Injury
  - c. Describe the PT Management of Acute Transverse Myelitis at T8 Spinal segment in acute and chronic stage.
- 6 Short Notes : (Any two) **2×5=10**
- a. Brunnstrom's Stages of Recovery after stroke
  - b. Negative and Positive features of UMN Syndrome
  - c. What are the essential elements of an intervention program designed to improve UE function after stroke? Identify three training activities.
- 7 Short answers : (Any 5) **5×2=10**
- a. Uthoff's Symptom
  - b. Difference between Paraplegia in Extension and Paraplegia in Flexion
  - c. Classify Tremor
  - d. Causalgia
  - e. Bell's Phenomenon
  - f. Modified Ashworth Scale.
- 8 Multiple Choice Questions : (Answer to All) **1×10=10**
1. The peripheral nerve is commonly injured when it lies.
    - a. Deep
    - b. Superficial
    - c. Trunk Level
    - d. Along the muscle belly
  2. Joint pain is common in stroke is due to
    - a. Spasticity
    - b. Tendinitis
    - c. Joint Dysfunction
    - d. All of the above
  3. Multiple Sclerosis is caused by mostly as
    - a. Demyelination in white matter
    - b. Infection
    - c. Trauma,
    - d. Genetic Form (Hla)
  4. Causes for postural hypotension is :
    - a. Loss of sympathetic control
    - b. Loss of cutaneous control
    - c. Loss of Balance
    - d. None

5. In Spinal cord Injury, spasticity will be present
    - a. Above the level of injury
    - b. At the level of injury
    - c. Below the level of Injury
    - d. None
  6. The cause for Duchenne's Muscular Dystrophy is
    - a. Viral
    - b. Bacterial
    - c. Fungal
    - d. Genetic
  7. Myopathy can be prevented by
    - a. Vaccination
    - b. Genetic Counselling
    - c. Vaccination during Pregnancy
    - d. Late Pregnancy
  8. The highest incidence in the year during
    - a. Summer
    - b. Winter
    - c. Autumn
    - d. None of the above
  9. Spider Splint is used in -
    - a. Ulnar Nerve Injury
    - b. Radial Nerve
    - c. Median Nerve
    - d. Axillary Nerve
  10. ATNR can affect -
    - a. Automatic movement reaction
    - b. Co-ordination
    - c. Tone of muscle
    - d. None
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