

JAMIA HAMDARD
DEPARTMENT OF PHYSIOTHERAPY
SCHOOL OF NURSING SCIENCES & ALLIED HEALTH

BPT 3rd YEAR, ANNUAL EXAMINATION, MAY 2023
NEUROPHYSIOTHERAPY (THEORY)
PAPER CODE: BPT – 368

Time: 3 hours

Maximum Marks: 75Marks

(Write your Roll No. on top of the paper immediately)

Note: (i) Attempt ALL question (ii) Choices are mentioned wherever applicable (iii) Parts of a question must be answered together (iv) Draw diagrams wherever necessary (v) Give examples wherever necessary

SECTION – A

Multiple Choice Questions (All are compulsory)**(15 × 1 Mark = 15 Marks)**

- Q1. Intermittent self-catheterization is a management option in _____ type of bladder involvement.
a) Spastic bladder b) Flaccid bladder c) Both of the above d) None of the above
- Q2. Which is not true for PIGD
a) Is a type of PD b) Postural instability is the dominant feature
c) Gait is disturbed d) Tremor is absent
- Q3. Frequency of tremor of the hand in PD is _____.
a) 4-6 Hz b) 6-8 Hz c) 11-12 Hz d) 18-20 Hz
- Q4. In PNF, the concentric contraction is followed by eccentric contraction of the same muscle in known as _____.
a) Agonist reversal b) Rhythmic stabilization c) Slow reversal d) Slow reversal hold
- Q5. Glasgow Outcome scale is to measure the _____ of TBI patients.
a) Cognitive functions b) Level of consciousness
c) Functional level d) Degree of freedom
- Q6. The period of Areflexia immediately after spinal cord injury is called
a) Spinal shock b) Autonomic dysreflexia
c) Brown Sequard Syndrome d) Sacral sparing
- Q7. The net vertical and shear or horizontal force acting between the foot and the supporting surface while walking is known as
a) Gait stability b) Gait velocity c) Ground reaction force d) Friction
- Q8. The type of movement characterized by involuntary, rapid, irregular and jerky movements involving multiple joints is called
a) Chorea b) Hemiballismus c) Athetosis d) Dystonia
- Q9. Trapezius and SCM muscles functions are checked for the integrity of _____ cranial nerve.
a) XII b) XI c) X d) IX
- Q10. Which one is not a muscle tone abnormality
a) Flaccidity b) Spasticity c) Decerebrate rigidity d) Dysdiadochokinesia
- Q11. The nerve injury in which there is focal segment demyelinated of the nerve at the site of injury with no injury or disruption to the axon or its surroundings
a) Neurotmesis b) Neuropraxia c) Axonotmesis d) None

- Q12. Contralateral homonymous hemianopsia will not present in which type of syndrome of stroke?
 a) ACA syndrome b) PCA syndrome c) MCA syndrome d) All of the above
- Q13. Which nerve is involved in Carpal tunnel syndrome
 a) Median nerve b) Ulnar nerve c) Radial nerve d) None
- Q14. Common peroneal nerve is a branch of which nerve
 a) Femoral nerve b) Obturator nerve c) Sciatic nerve d) None of the above
- Q15. Which one is not true for DMD
 a) Gower's sign b) Y-linked recessive hereditary disorder
 c) Pseudohypertrophy d) Cardiomyopathy

SECTION - B

Answer any **THREE** of the following:

(3 × 10 Marks = 30 Marks)

- Q1. Briefly discuss the steps involved in MRP. What do you understand by essential components? Write the essential components of upper extremity function.
- Q2. What are the lower motor neuron and upper motor neuron symptoms in ALS? what are bulbar and pseudobulbar impairments?
- Q3. Explain the pathophysiology of GBS. What are the goals of physiotherapy management of a patient with GBS with mild physical assistance requirement?
- Q4. What are clinical features of the different stages of poliomyelitis? Discuss the physiotherapy management of post-polio syndrome.

SECTION - C

Answer any **TWO** of the following:

(2 × 15 Marks = 30 Marks)

- Q1. What are the different syndromes of spinal cord injury? Write the ASIA scale of SCI. What are the assistive devices required for a patient with C6 level of injury.
- Q2. Explain in details the different types, clinical presentation, and diagnosis of DMD. What are the physiotherapeutic management of respiratory problems for the same?
- Q3. Write the procedure for assessments of the following
 a) Tone
 b) Deep tendon reflex
 c) Higher mental functions
